



The Official Journal of the Foundation For Amateur Radio, Inc.

NOVEMBER 1997



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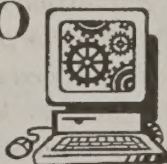
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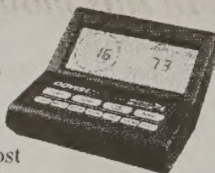


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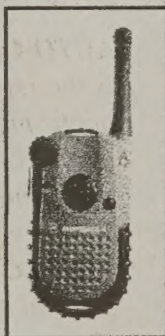
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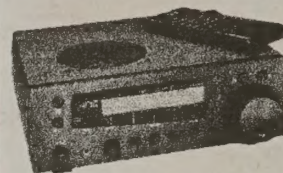


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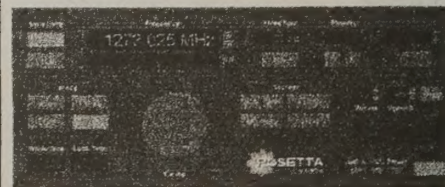
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Laurel ARC Wins MDC QSO Party



Al Brown/KZ3AB (left), representing the Antietam Radio Association, presents Pud Reaver/W3YD of the Laurel Amateur Radio Club the first place club certificate for winning the 1997 MDC QSO Party.

Standing next to Pud is Matt/N3JMT, who ran 13 counties in the club's winning effort. Others pictured who worked the club station, KB3BLK, are Michele/WK3X, HD/N3LFL, Mike/WB3HUP, and kneeling are Roger/W3LM and Dan/KA8YPY. Not pictured are Kevin/W3DAD who worked the CW position. Also on the road were Dick/N3MJA, Joe/N3TZA, and Charles/KD3ZS who gave us 11 county contacts.

This is the second year in a row that the Laurel Club won, setting a new competition record of 235,600 points. KB3BLK worked all 50 states, 31 DX multipliers, and 20 of the 25 MD-DC jurisdictions.

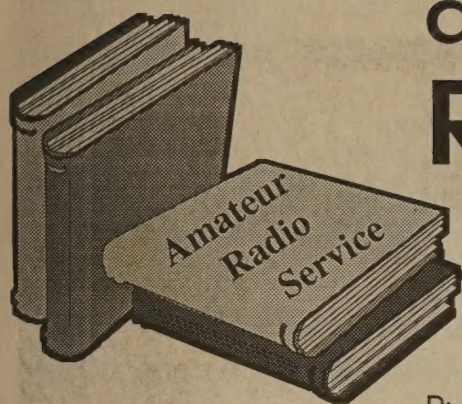
See the complete results of the MDC QSO Party in the center-fold of this issue.



On The Cover

Pictured on this month's issue of Auto Call is Wendy Joy Silverman, KC4ZQW from Spring Hill, FL. Wendy is one of 56 Foundation for Amateur Radio scholarship award winners this year. This is the second consecutive year that Wendy has been featured on our November cover. Congratulations Wendy and all other winners!

Rules and Regs



By Jack Kelleher
W4ZC

MORE ON NEW FORM 159

ARRL/VEC Manager Bart Jahnke, W9JJ, offers some additional advice on how to file a vanity call sign application, Form 619V, using the newly revised Form 159, Remittance Advice (dated July 1997). Form 159 must accompany ALL vanity call sign applications, no matter the method of payment.

On Form 159, Item 1, enter the post office box (POB) number that you'll be sending your payment to. If you're filing a paper Form 610V and sending it through the mail with your payment, Item 1 should read 358924. If you're filing electronically and mailing a payment for your electronically filed Form 610V, Item 1 should read 358994.

When using a paper Form 610V and filing by mail, you must include a Form 159 plus a copy of your current Amateur Radio license. The address is FCC, Amateur Vanity, POB 358924, Pittsburgh PA 15251-5924 (so, Item 1 on Form 159 in this case would be 358924, the same as the box number).

To apply electronically and sending Form 159 for your payment by mail, the address is FCC, Amateur Vanity, POB 358994, Pittsburgh PA 15251-5994 (so, Item 1 on Form 159 in this case would be 358994, the same as the box number).

Item 19A should be the applicant's PRESENT call sign.

MASSACHUSETTS ATTORNEY GENERAL — NO TO RESTRICTIVE TOWER LAW

The office of the Attorney General of the Commonwealth of Massachusetts has rejected restrictive zoning by-law enacted by the Town of Easton on April 14th. The by-law, known as Article 43 had placed tight restrictions on towers, antennas, and satellite dishes.

Back in the early '90's Massachusetts hams had worked to enact a statewide version of the FCC's PRB-1 federal preemption act. The state measure was signed into law in 1995 by former Governor William Weld. This was the kind of test case it was waiting for.

In Massachusetts, the Attorney General has to approve all zoning by-law amendments. So a ham radio action group sent a copy of the states PRB-1 clone to the Attorney General's Office and asked that it be compared to the Easton covenant. It took a few months, but now the state's top lawyer has sided with amateur radio.

In a letter to the Easton Town Clerk the Attorney General said: "These restrictions, as applied to amateur radio antennas, violate state law that says no zoning ordinance or by-law shall prohibit the construction or use of an antenna structure by a federally licensed amateur radio operator. Zoning by-laws may reasonably regulate the location and height of such antenna structures for the purposes of health, safety, or aesthetic; provided, however, that such by-laws reasonably allow for sufficient height of such antenna structures so as to effectively accommodate amateur radio communications by federally licensed amateur radio operators." The Attorney General concluded that because this critical portion of article 43 is inconsistent with state law that he is required to disapprove the article as written.

Continued on page 7



MEMBER CLUBS

Adams County Amateur Radio Society
Alexandria Radio Club
Amateur Radio Research and Develop. Corp.
AMSAT - Radio Amateur Satellite Corporation
Anne Arundel Radio Club
Antietam Radio Association, Inc.
ARINC Amateur Radio Club
Arlington Amateur Radio Club
Baltimore Amateur Radio Club
Baltimore Radio Amateur Television Society
Capital City Amateur Radio Society
Capital Hill Amateur Radio Society
Carroll County Amateur Radio Club
Central Maryland Amateur Radio Club
Chaverim of the Greater Washington Area
Columbia Amateur Radio Association
Culpeper Amateur Radio Association
D-MARC - Digital Mid-Atlantic Radio Council
Department of State Amateur Radio Club
Dulles Amateur Radio Group
Explorer Post #80- Amateur Radio
Fauquier Amateur Radio Association
Federal City REACT Amateur Radio Club
Frederick Amateur Radio Club
Frederick Amateur Repeater Group
Goddard Amateur Radio Club
Green Mountain Repeater Association
Hanover Area Hamming Association
Historical Electronics Museum Amateur Radio Club
IBM Amateur Radio Club
Johns Hopkins University APL ARC
KB3BOI Repeater Group, Inc.
Kent Island Amateur Radio Club
Laurel Amateur Radio Club
Leisure World Amateur Radio Club
Loudoun Amateur Radio Group
MD/DC MARS (Navy Marine) Association
MADRAS
Maryland Emergency Phone Net
Maryland FM Association
Maryland Mobileers Amateur Radio Club
Mercury Amateur Radio Assn., NE Area
Metropolitan Communications Network
Metrovision Amateur TV Club
Mid-Atlantic DX & Repeater Assn.
Montgomery Amateur Radio Club
Montgomery Auxiliary Communications Service
Moose Amateur Radio Club
Mount Vernon Amateur Radio Club
National Capitol ARES Council
National Capitol DX Association
Naval Research Laboratory Radio Club
NOAA Amateur Radio Club
North Point FM Association
Northern Virginia FM Association
Northern Virginia Radio Club
Ole Virginia Hams Amateur Radio Club
Opequon Radio Society
Pentagon Amateur Radio Club
Potomac Area VHF Society
Potomac Valley Radio Club
Prince George's Wireless Association, Inc.
Prince George's County ARES/RACES
Quarter Century Wireless Association, Inc.
 Baltimore Chapter #20
 Del-Mar-VA Chapter #150
 Shenandoah Valley Chapter #137
 Vic Clark Chapter #91
 Washington Chapter #23
Rock Creek Amateur Radio Association
St. Mary's County Amateur Radio Association
Shenandoah Valley Amateur Radio Club
Southern Maryland Amateur Radio Club
Southern Patuxent Amateur Radio Club
Stafford Amateur Radio Assn.
Sterling Park Amateur Radio Club
Summit Amateur Radio Association
Tri-County Amateur Radio Club
T-MARC, Middle Atlantic Repeater Council
Vienna Wireless Society
Voice of America Amateur Radio Club
Washington Adventist Amateur Radio Assn.
Washington Area Young Ladies ARC
Woodbridge Wireless, Inc.

NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held November 12th at the Lee Center, Alexandria, Virginia. Take Capitol Beltway to Exit 1 (US 1 North). North to the second traffic light, left on Gibbon Street to Fayette. Left on Fayette to dead end at Lee Center Parking Lot. The meeting is conducted in the conference room near the main office of the center.

**Talk-in on
146.55**

Needless to say that Massachusetts hams are happy with the outcome of this challenge to Easton Article 43. Had it become state law it could cost from \$30,000 to \$50,000 for any ham to fight it in court. (Tnx "This Week in Amateur Radio" & ARN 1049 9-19-97)

NEW USES FOR THE OLD CODE: MORSE 2000 WORLD CONFERENCE SET

Morse 2000 Worldwide Outreach is giving Morse code a new lease on life to help rehabilitate and educate people with special needs and disabilities. The first Morse 2000 World Conference is now set for late October in Minnesota.

Because it can be sent using a binary-opposition movement pattern, Morse code can be generated with left-right, push-pull and puff-sip control. The code—used in communication for the past 150 years and being phased out in many spheres—has proven to be among the best of several adaptive computer-access methods and augmentative or alternative communication techniques for many people with special needs. The ARRL Foundation has supported the program through grants.

"We now have over 2,000 participants in 27 countries!" says Debra R. King, N9GLG, the director of Morse 2000 Worldwide Outreach. King manages the Office of Continuing Education in Human Sciences and Services at the University of Wisconsin—Eau Claire, and enthusiastically promotes the use of Morse code in rehabilitation and education.

Through her encouragement, various Morse code programs are being used or tested to allow people such as those with spinal cord injuries to converse. She provides information for occupational therapists or speech pathologists and promotes the advantages of using Morse code to help their patients. Occasionally, though, it works the other way around: sometimes patients hear about Morse 2000 and put their therapists in touch with King! The bottom line, however, is that the

information she provides can save the therapist-patient team years of research attempting to find the best methods and selecting reliable equipment.

Speech pathologist Thomas King, WF9I—Debra King's husband and the editor of MORSEls—called Morse code "one tool of many" in providing "adaptive access" for those unable to communicate through conventional means.

He told of a young man he called Barry who had been severely injured and rendered a quadriplegic after being hit by a car as a youngster. He retained facial movement and can speak (although he's on a ventilator), but he can use Morse via a puff-and-sip switch to write 20 WPM or so. Now in the high school, Barry hopes to eventually attend college. "The use of Morse for taking notes without calling a lot of attention to yourself has worked out very well," Thomas King said.

The first Morse 2000 World Conference will be held October 25-26, 1997, in Bloomington, Minnesota. Featured speaker is rehabilitation engineer Kevin Caves of the Rancho Rehabilitation Engineering Program in California. Although the conference is aimed at clinicians, teachers, therapists, technologists, researchers and product developers, Amateur Radio operators also are encouraged to attend and share their technical knowledge, and to help develop equipment and code skills to train others. Registration prior to October 1 is \$98.

For more information on the conference or on Morse 2000, contact Debra King, Morse 2000 Worldwide Outreach, Human Sciences & Services Outreach Office, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004; tel. 715-836-3990; e-mail kingdr@uwec.edu. Morse 2000 can also be found on the World Wide Web at <http://www.uwec.edu/Academic/Outreach/Morse2000/morse2000.html>.—thanks to Richard Regent, K9GDF (Tnx ARRL Ltr V16 #38)

Continued next page

MARCO - SECOND OPINION ON MEDICAL CW WAIVERS

MARCO, the Medical Amateur Radio Council says that it can put an end to most abuses of the Morse code medical exemptions plaguing the United States ham radio licensing system. Ira Wexler, W3HEF, the president of MARCO is reported to have offered the groups assistance to help validate these medical exemptions by providing volunteer physicians to scrutinize these requests.

According to Wexler, at a recent MARCO meeting in San Francisco, there was considerable discussion of possible abuses of the medical exemption process. As a result, MARCO has offered to become a consultant to any VE team who would like to get a second opinion on a medical exemption request.

Wexler says that MARCO has the necessary volunteer physicians to investigate and evaluate all medical Morse exemption requests. It will be up to the FCC to decide if it wants such a service if or when MARCO files a formal rule making request. (W5YI Report, & ARN 1047 SEP 5 97)

REPEATER vs. REPEATER vs. THE FCC

A repeater group that says another repeater is interfering with its system has filed a petition to the FCC for the issuance of a "Show Cause Order" aimed at getting that system taken off the air. The Monmouth County Repeater Association of Asbury Park, New Jersey says that the issue is that of codifying Amateur Radio repeater coordination and the right to operate a coordinated repeater free of interference from an uncoordinated repeater.

The Monmouth County group operates a 2 meter repeater system under the call sign WB2ABT on 146.645 MHz out. Another repeater group called SPARK operates the WA3MDP repeater on the same frequency pair about 100 miles away in Bangor Pennsylvania. Each area is serviced by a different repeater coordination body. The

Monmouth County Repeater Association contends that SPARK is an uncoordinated machine. SPARK says that it is fully coordinated.

Back in December of 1996, the FCC's Compliance and Information bureau ordered the WA3MDP system to immediately cease operation. SPARK's response was to request an investigation of a possible conspiracy between the Monmouth County Repeater Association and its coordinator in misrepresenting the facts in the case to the FCC. Now the Monmouth County group has raised the stakes.

It has hired Washington DC Communications Attorney John McVeigh, KD4VS, to represent it. McVeigh's first action is the filing of the Show Cause petition along with a demand that the Commission address certain key issues. These include a direct and unambiguous ruling as to whether or not volunteer frequency coordination of repeaters in the Amateur Radio service holds and legal standing. Also, if called upon to do so, will the FCC enforce section 97.205(c) of its rules. That section says that a non-coordinated repeater holds the primary responsibility to resolve the interference that it causes to a coordinated repeater.

In essence the Monmouth County Repeater Association is taking the position that most expected the newly formed National Frequency Coordinators Council or the American Radio Relay League would assume. That of getting the FCC to state unambiguously the need or the lack of need for repeater frequency coordination in the Amateur Radio Service and gives the Commission absolutely no room for an indecisive response.

No matter the FCC decision, this small club in New Jersey has put itself into the position of a defacto single point of contact on repeater matters, to the FCC. That too sets a precedent. One that will affect the day to day operation of every repeater operating in the United States. (From several sources including the MCRA Filing).

Continued next page

**IARU ADMINISTRATIVE COUNCIL
CONSIDERS FUTURE OF HAM RADIO (Tnx
ARRL ltr V16 #37 & Chuck Dorian,
W3JPT)**

The IARU Administrative Council has set up an Amateur Radio Outlook Committee to make general recommendations on the future growth and development of Amateur Radio. Tom Atkins, VE3CDM, was named to head the panel, established in response to changing technology and the Internet.

The action came as the Administrative Council met in Beijing September 13-15, following the IARU Region 3 Conference there. The council also approved setting up an ad hoc committee to review the IARU's structure to ensure its long-term viability. The committee—to be designated by President Richard Baldwin, W1RU—will provide a preliminary report at the Council's next meeting in Caracas, Venezuela, in October 1998.

The Council also agreed on the instructions to be given to the IARU delegation to this year's World Radio Communication Conference (WRC-97). The International Secretariat will update this material as new information becomes available.

The core delegation to WRC-97 consists of Larry Price, W4RA; Michael Owen, VK3KI; and Wojciech Nietyksza, SP5FM. The month-long conference opens October 27 in Geneva. The Council also reviewed the status of the action plan developed by the 7 MHz Strategy Committee. After WRC-97, information will go out to member societies to update the plan in the light of decisions taken at the conference.

The Council also considered the second published report of the Future of the Amateur Service Committee (FASC). Comments resulting from a comprehensive review of the FASC report to the Region 3 IARU Conference will be incorporated into a further report. That report then will be circulated as the next step in the process of developing an IARU position on a possible revision

of Article S25 of the international radio regulations. The Council will develop its own position after it receives the FASC's final report next September.

The Council selected "Amateur Radio—Communicating Worldwide for Three Quarters of a Century" as the theme for next year's World Amateur Radio Day, September 20. The theme recognizes the 75th anniversary of the first transoceanic two-way amateur communication, between France and the US, in November 1923. Starting in 2000, World Amateur Radio Day will occur in April, on the anniversary of the founding of the IARU in Paris in 1925.

Among other actions:

The Council updated the IARU Strategic Plan for the Development of Support for Amateur Radio. The goal of the associated 1998-99 action plan is to apply resources to enhance support for Amateur Radio in Africa. The plan's implementation will be coordinated with IARU Region 1.

The Council adopted a resolution encouraging the promotion and development of Amateur Radio digital technology.

The Council reviewed, updated and approved the present and anticipated future requirements for radio spectrum allocations to the Amateur and Amateur-Satellite Services.

The Council reviewed planning for IARU participation in the next World TELECOM in Geneva in 1999.

The Council received a Region 1 report on preparation for Amateur Radio participation in Africa TELECOM 98 in South Africa.

The Council appointed an ad hoc Monitoring System Review Committee to review the terms of reference of the IARU Monitoring System and make recommendations they deem appropriate. Pedro Seidemann, YV5BPG, was appointed to head the committee.—David Sumner, K1ZZ

REVIEW OF VK RADIO COMMUNICATIONS ACT UNDER WAY

Australia's ham radio community has been given a chance to have the amateur licensing system reviewed. This, in hope of separating it out from the commercial framework of Australian Apparatus licensing.

The opportunity for change comes as the result of an open public review of the Australian Radiocommunications Act 1992 and recent amendments. This review was announced by the Department of Communications and the Arts at the end of July and is where the Wireless Institute of Australia's submission titled "Towards a New Licensing System", is to be considered.

The paper, presented to the Minister for Communications last February, has already been passed to the licensing authority for this review.
(Via VK Newscope & ARN 1048 Sep 97)

FCC PERSONNEL CHANGES

Regina M. Keeney became the new Chief of the FCC's International Bureau on September 15. The former Wireless Telecommunications Bureau head replaces Peter Cowhey, who announced his resignation last month. Keeney had, at one point, been considered for appointment to the FCC. Since 1995, she has served as chief of the FCC's Common Carrier Bureau.

In other changes, the FCC announced that Richard D. Lee has been named acting chief of the FCC's Compliance and Information Bureau. Since 1995, he's served as the FCC's deputy managing director.

Mary Beth Richards, currently deputy chief of the Common Carrier Bureau, has been appointed to succeed Lee as deputy managing director. (FCC & ARRL Ltr v16 #37 9-19-97)

...DAYTON DAYTON DAYTON DAYTON DAYTON...

The Foundation for Amateur Radio is soliciting interest in a charter flight to the Dayton Hamvention on May 16, 1998. The aircraft will leave Baltimore (BWI) at 5 AM fly direct to Dayton. Allowing you take in a full day at the Hamvention and leave for the return flight at 7 PM that evening.

Yes a full day at Dayton and home by evening. Ok, What's the cost you ask? If, and only if, we fill the plane full, (that is 150 people) the cost per person is approx. \$200.00 plus your Hamvention ticket. The charter people tell me the earlier we can commit to going the firmer the price gets. So what I propose is if your interested let me know ASAP, phone or e-mail is the best way to contact me. I'll keep a list of interested people and if there are enough people who want to go this way then we'll proceed, if not the idea will be dropped.

I'd really like to have responses back to me by November 15, 1997. If there is enough interest then 1/2 of the fare will be due by Dec. 10, 1997 and the balance by Feb 10, 1998. If you commit to going there will be no refunds, however if you can find a substitute to take your place then that's fine. Ok, if you're ready to go, then contact Chuck Sommer 301-286-6790 days or e-mail csommer@juno.com or mail to:

Chuck Sommer 16106 Atlantis Drive, Bowie, MD 20716



FARfest '97

The Foundation for Amateur Radio had another successful year at FARfest '97. Thousands of ham radio operators showed up at the Montgomery County Agricultural Center in Gaithersburg, Maryland on September 7th. These photos show part of the parking lot and some of the early morning tailgaters looking for ham radio bargains.



Mobile Recommended as First Rig C. Ed Harris, KE4SKY

Hand-helds are convenient, but without repeaters they aren't much better than baby monitors. A typical HT with a rubber duck reaches only a mile or two on simplex.

There is a lot to recommend buying a full-powered mobile for the first rig, instead of an HT. On the road, you can't expect to work a repeater with an HT and mag mount, just because you can hear it.

If you are to be prepared to operate effectively in an emergency, especially in a simplex environment, do not depend on an HT as your only rig. If an HT is your only option, get the best you can afford, have auxiliary 12V DC power, a mag-mount antenna and, if possible, a brick amplifier capable of 20-30w output.

Elliott H. Glunt, W3JZP Silent Key

CDR Elliott H. Glunt USN (ret) W3JZP died 2 August 1997, after an extended illness at the U.S. Naval Hospital, Bethesda, MD. He is survived by his sons George, and David at home, and a brother Merle of Mt. Union, PA. His wife Ruth preceded him in death in 1996. He held an amateur license since 1936. He had long and productive careers in the U.S. Navy and as a civilian with the National Security Agency retiring several years ago. He held memberships in the American Radio Relay League, Quarter Century Wireless Association, Society of Wireless Pioneers, U.S. Naval Cryptologic Veterans Association, Association of Foreign Intelligence Officers among others. Memorial contributions in his name to Auto-Call scholarship funds would be appreciated by his family.

Directed Net Procedures for Skywarn Spotters

(Adapted from the Skywarn Net Control Operations Manual by Daniel R./ Gropper, KC4OCG and original material by Dick Rawson, N6CMJ)

For Skywarn to be effective, everyone in the "system" needs to know their roles BEFORE severe weather strikes. Training for Skywarn participants cannot (and should not) take place "on the net" during severe weather. All amateurs who monitor and participate in Skywarn should use proper directed net procedures to ensure effective flow of severe weather information between SKYWARN spotters and the NWS and/or emergency management personnel. They must also know the severe weather criteria used by the National Weather Service (NWS).

All participants in Skywarn should take the Basic I Spotter Course. The next Basic I course will be held at the Dulles Forecast Office from noon to 3 pm., Saturday September 6, 1997. Additional classes are being offered 7-10 pm on Tuesday October 7 and Wednesday November 19. If you monitor the weather net and haven't yet taken this course, it is highly recommended that you do so. To pre-register for this free 2-1/2 hour class, please contact the Dulles forecast office at (703) 260-0106, extension 231.

Basic I provides an overview of Skywarn, including severe weather criteria and how to properly call in reports. Completion of this course is required to receive a Skywarn ID number and is a prerequisite for additional NWS courses such as Basic II, Hurricanes, Winter Storms and Storm Damage Assessment. Having an ID number is important because it informs Net Control and the monitoring forecasters that you are trained and know severe weather criteria and the proper format for reports.

When untrained amateurs participate in the weather net, valuable net time is lost when Net Control must screen unnecessary reports of non-severe weather or queries called in by well meaning, but untrained operators. If the Skywarn net is to run efficiently, it is important to avoid calling unnecessarily. If Skywarn has been activated, please do not call Net Control if you are not experiencing severe weather in your area. Non-severe weather reports tie up the frequency and may prevent stations with urgent traffic from contacting Net Control.

If you are unable to attend a Basic I course, listen very carefully to instructions and severe weather criteria when provided by net control. These will vary seasonally.

In summer the criteria are geared primarily towards severe thunder storms which have potential for forming tornados. These are:

1. TORNADOES, (in contact w/ground, airborne debris visible) FUNNEL CLOUDS OR ROTATING WALL CLOUDS (apparent rotation without evidence of airborne debris).

2. LARGE HAIL - DIME SIZE OR LARGER (3/4").

3. HIGH WINDS 50 MPH OR GREATER (threshold for damage to unanchored structures and danger from wind blown debris).

4. FLOODING, creeks bank full or spilling over their banks.

5. RAIN ACCUMULATION IN EXCESS OF 1 INCH OR MORE PER HOUR. (This means measured accumulation. Don't guess if you don't have a rain gage). Do state observations of heavy rainfall such as reduced visibility of under 1/4 mile, standing water or sheet flow on the ground or in roads,

6. DAMAGE CAUSED BY WIND OR LIGHTNING. This may include structural

damage to buildings, windows broken by flying debris or fallen tree limbs of 4" diameter or more.

7. DOWNED TREES, OR POWER LINES

During winter severe weather criteria are:

1. SNOWFALL IN EXCESS OF 4 INCHES
2. SEVERE ICING (>1/4 INCH) ON TREES, STREETS, OR POWER LINES. SLEET OR FREEZING RAIN (CHANGE IN CONDITION OR ACCUMULATING ON ROADWAYS).
4. WIND IN EXCESS OF 30 MILES PER HOUR (when snow is present, falling or blowing).
5. DOWNED TREES OR POWER LINES.
6. IMPASSABLE OR CLOSED ROADS.

PLEASE REFRAIN FROM CALLING SKYWARN IF THERE IS NO SEVERE WEATHER OCCURRING IN YOUR AREA.

Before calling Net Control, think about and know what you are going to say, so that valuable net time isn't wasted in Net Control having to query you for information or to repeat your traffic. The following directed net procedures are recommended:

1. Establish initial contact with NCS by stating your call sign only. Wait for NCS to recognize you before taking air time with your traffic. If you just jump in without being recognized, you may double with someone, who will have to repeat their traffic again. Whenever calling any directed net ALWAYS, identify, then wait for NCS to respond to you.
2. When recognized by NCS, don't speak immediately as you press the "PTT". Wait a half second before speaking. This is because the transceiver takes an instant to change from receive to transmit. There is also a slight delay when going through the repeater. Hand held radios

power down after several minutes of standby and need an instant to "wake up." If you blurt out a one-word response which doesn't get through, you haven't communicated!

3. Answer Net Control's questions as directly as possible. Speak slowly and clearly, using short, simple phrases. Do not offer lengthy explanations. If you think that additional information you have is vital, be brief. Let NCS ask for more detail.

4. Keep all contact with net control brief and to the point. This allows others to "break" in if they have an emergency.

5. Organize your thoughts before calling. Experienced spotters write down their observations and the time before calling.

6. Be prepared to give Net Control your location to include compass direction and distance in miles from the nearest town or street intersection. Do not use a local neighborhood or place names unless commonly shown on a USGS topo or State road map.

7. Always release your "PTT" when you stop speaking. If you must collect your thoughts, don't stand there making "dead air" because it ties up the frequency so no one can break in.

8. Don't use Q-signals on phone. Use plain language because it is easily understood, with less possibility for misunderstanding.

9. Use correct "procedural words." Pro words quickly convey complex ideas, but are effective only if everyone understands them and uses them correctly. For instance: "OVER" Indicates the end of a transmission, when a reply is expected. "CLEAR" Indicates the end a transmission when no reply is expected. This means the frequency is returned to service, but indicates the station is standing by, ready to receive further bulletins or instructions. "OUT" Indicates end of the final transmission when a station is either changing frequency or leaving the frequency and will not be accessible to the radio. "ROGER" Indicates that a

message has been received and understood in its entirety. It does not mean "yes" or signify agreement. "AFFIRMATIVE" Are always used instead of "yes" or "no" or "NEGATIVE" because they have a distinctive sound and their meaning is clear under marginal conditions. "DIRECT" Refers to the ability to copy traffic from another unit directly, as opposed to requiring a relay. "WAIT" Cease transmission until contacted by Net Control. "BREAK!" Used only in EMERGENCY to clear the frequency for urgent traffic affecting life and safety.

10. Just because it is noisy (thunder claps and sirens blaring) don't yell into the radio! It's natural to do this, but it only makes matters worse. This is because when you over-modulate, your transceiver may deviate outside the pass band of the repeater, clipping your audio so that you can't be understood. The only way to overcome background noise is to reduce it, by closing the car window or shielding the mike from the wind, or simply waiting until the worst noise passes.

11. Always disconnect outside antennas during thunderstorms! Skywarn operators should always be prepared to operate from an indoor antenna and on emergency power. An HT with 12 volt power source, with 5 watts output, connected to a quarter-wave mag mount antenna, used indoors on top of a refrigerator, washing machine, filing cabinet or other large metal object, makes a safe and satisfactory severe weather station, adequate to reach the Bluemont repeater from most locations in Northern Virginia, suburban Maryland and the West VA panhandle.

12. When conditions are poor (or if your signal is weak so that copy is difficult) spell your call sign and place names phonetically. Always use the standard ITU alphabet. Don't say the letter "O" as in OSCAR when you mean the figure "ZERO." If you follow the above operating procedures, your reports will be more easily understood and less air time will be wasted in unnecessarily repeated traffic. Good radio procedure reflects pride, efficiency and competence. Please do your part to set a good example for your fellow operators.

If you are experiencing severe weather in your area and neither the primary Skywarn net on 147.300, nor the Northern Shenandoah subnet on 146.82 or the Eastern Maryland subnet on 145.35 have been activated, severe weather information should be relayed to NWS by telephone. This enables the Warning Coordination Meteorologist to determine if a "watch" or "warning" should be issued or the Skywarn net activated.

Use the following telephone numbers ONLY for reporting severe weather: In the Washington DC metro area (703)-260-0205, long distance (800)-253-7091.

Please do not ask questions at the end of your report and please keep your reports brief. Someone may be trying to reach the NWS with a critical report that may save a life, even if it's sunny where you are. For administrative questions and training call (703)-260-0107 (8 a.m. to 5 p.m. weekdays) When calling the administrative number please try to do so during good weather as the staff is extremely busy during severe weather.

Basic Skywarn Class

A Basic I Skywarn class near Annapolis MD has been scheduled for Wednesday, December 3, 1997 from 7 PM to 10 PM. To register, please call Melody Hall at (410) 222-8040.

FAR Meeting Minutes

September 10, 1997
Alexandria, VA



Bill Kamm	KC4VXH
	Vienna Wireless Assoc
Joel Harding	KE3YK
	Montgomery & Pentagon
Wayne Koehler	KE4PMS
	Shenandoah Valley ARC
Walt Parsons	KT4EL
	Visitor

* FAR President, Chuck Sommer (N4OSD), called the meeting to order at 8:05 p.m. at Lee Center in Alexandria, VA.

* The attendees introduced themselves. There were 18 trustees and one visitor in attendance and included:

Al Brown	WA3FYZ
	Antietam RA & MEPN
Ed Mumford	N3IRO
	Frederick ARC
Mildred Mumford	N3KGQ
	Frederick ARC
Chuck Sommer	N4OSD
	PG Co RACES/ARES
Hugh Katz	KB3TB
	Voice of America ARC
Charles Johnson	N3HFO
	Anne Arundel RC & NVFMA
Hugh Turnbull	W3ABC
	FAR Scholarship Committee
Mary Morris	N4TCI
	Mt Vernon ARC
Chip Weems	W4PBG
	Historical Elect. Museum Dan
Blasberg	KA8YPY
	Laurel ARC
W. Page Pyne	WA3EOP
	Antietam RA & Opequeon RS
John Swafford	W4HU
	QCWA #91 & DOS ARC
Lenny Schachter	N3RPQ
	Natl Cap ARES & MADRAS
Tim Dugan	KA3YYP
	MD.DC MARS Assoc
Tony Young	WA3YLO
	Anne Arundel Radio Club

* The August minutes were approved as mailed. The treasurer's report was given by Charles Johnson (N3HFO) and accepted.

* The FARFest grand prize, an ALINCO DX-70T, was presented to the winner, Walt Parsons (KT4EL).

* Auto Call - Tony Young (WA3YLO) reported that the names of those who purchased subscriptions to Auto-Call in the memory of Ethel Smith were supposed to be published in the September issue of Auto-Call. The names were not published and Tony apologized for that. The names will be published in the November issue of Auto-Call. *[No they won't - I haven't received them yet! - Ed]*

Millie and Ed Mumford (N3KGO and N3IRO, respectively) reported 55 subscriptions at FARFest. Most of those were for multiple years. John Swafford (W4HU) reported that 82 renewal reminders were mailed out.

* Survivor's Assistance - John Swafford (W4HU) and Tony Young (WA3YLO) displayed equipment at FARFest. Approximately \$200 worth of equipment was sold.

* Scholarship Committee - Hugh Turnbull (W3ABC) reported that the Board of the Northern California DX Foundation (NCDXF) has requested that the Foundation administer \$1,000 award on their behalf starting next year. The Scholarship Committee is working with them to develop a mutually agreeable criteria for the scholarship. The Maryland Mobileers have established a \$1,000 scholarship for the Foundation to administer

beginning in 1998. The Scholarship Committee is also working with them to develop the necessary criteria. The Vienna Wireless Association has indicated their intention to establish a second memorial scholarship in honor of the former president, Paul Wilkins (AB4CY), who became a silent key. Hugh (W3ABC) also announced that although we rarely have representation from the Columbia Amateur Radio Association (CARA) and the Baltimore Radio Amateur Television Society (BRATS), they help support the Foundation by sponsoring scholarships.

* **ARRL Report** — Hugh Turnbull (W3ABC), ARRL Vice-President, reported that various League officials are visiting China. Hugh also reported that the US Congress is back in session and everyone is waiting for them to act on various measures.

* **FARFest** — The FARFest review meeting is scheduled for September 17 at 7:30 pm at Tony Young's house (WA3YLO). His address is: 12016 Long Ridge Lane in Bowie, Maryland. Talk-in will be on 147.105 MHz.

* The Shenandoah Valley Amateur Radio Club modified its FAR trustee listing. The trustees present approved Wayne Koehler (KE4PMS) as their new trustee.

* Offers were made to change the location of the Maryland meeting site. Those under consideration are: the Historical Electronics Museum near BWI airport, the West Laurel

Recreation Center, and an National Institutes of Health Conference Room in Bethesda.

* **Announcements** — Chip Weems (W4PBG) announced a HEMARC Hands-on Upgrade Class starting September 24 for 13 weeks. For more info, contact: Ray Robley (KD3KK) at 410-859-0789 or Heru Wamsley (W3WV) at 410-766-3545.

Lenny Schachter (N3RPQ) requested help for the Marine Corps Marathon on October 26. See page 17 of the September issue of Auto-Call for details.

Hugh Katz (KB3TB) suggested that hams in the Hyattsville area consider joining and/or supporting the Prince Georges' Wireless Association. PGWA has a station available for member use and is encouraging new membership. Mary Morris (N4TCI) extended her appreciation to all those who helped make FARFest '97 the success it was.

* A motion to adjourn was entertained at 8:58 p.m.

* The next meeting will be held at Columbia Union College in Takoma Park, Maryland at 8:00 p.m. on Wednesday, October 8. See Auto-Call magazine for directions.

Respectfully submitted,
E. Allen Brown, WA3FYZ-ZF2AB
Recording Secretary
Foundation for Amateur Radio

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American Radio Relay League Report

By John Swafford,
W4HU

The Purpose of the ARRL Report is to provide the essential news of interest to active, organizationally minded radio amateurs faster than it can be disseminated by our official Journal QST. We strive to be fast, accurate and readable in our reporting. Material from the ARRL Report may be reproduced in whole or in part, in any form, including photo reproduction and electronic data banks, provided that credit is given to The ARRL Letter and The American Radio Relay League.

NASA GIVES KC5VPF THE GREEN LIGHT FOR MIR STAY

It was uncertain right up until launch day whether US astronaut David Wolf, KC5VPF, would get to replace his colleague Mike Foale, KB5UAC, aboard the Russian Mir space station. Under intense political pressure to consider discontinuing the presence of US astronauts aboard the ailing and aging space station, NASA Administrator Dan Goldin gave the okay Thursday, September 25, for Wolf's Mir stay only hours before the shuttle Atlantis was launched from Cap Canaveral on Mission STS-86 and a rendezvous with Mir.

Wolf will continue the permanent US presence for at least another four months on the station that began in 1996 with Shannon Lucid. Goldin cited separate scientific reviews of the situation aboard

Mir in his decision to deliver Wolf to Mir as originally planned.

An independent task force, chaired by Lt Gen Thomas P. Stafford, USAF (Ret), a former Gemini and Apollo astronaut, reaffirmed NASA's internal reviews to proceed with Thursday's shuttle mission to replace Foale with Wolf on Mir. Astronaut Col Fred Gregory, USAF (Ret), Associate Administrator of the Office of Safety and Mission Assurance, conducted another NASA review.

In that review, Gregory gave his certification of the shuttle-Mir flight safety as one of the key NASA management approvals prior to a shuttle mission. "This careful and thorough review of the shuttle-Mir mission analyzed risk, readiness and, foremost, safety," Goldin said. "We move forward not only because it is safe, but for the important scientific and human experience we can gain only from Mir." Goldin said that as NASA looks toward next June's launch of the first element of the International Space Station, "nothing can beat the hands-on, real-time training aboard Mir."

The Atlantis carried a new computer to Mir. Wolf, 41, is both an electrical engineer and a medical doctor. A native of Indianapolis, Wolf is single. He has been an astronaut since 1990 and served as a mission specialist aboard the shuttle Columbia in late 1993. Meanwhile, astronaut Andy Thomas, who is scheduled to replace Wolf aboard Mir in January, has successfully passed his Technician examination in anticipation of spending several months aboard the Russian space station.

HAM RADIO NOW AN "OFFICIAL" ISS PAYLOAD

Amateur Radio is now considered to be an official payload on the International Space Station (ISS). In fact, reports Matt Bordelon, KC5BTL, at Johnson Space Center, ham radio was the first payload to become official. Bordelon already has started the training program for the first crew who will be putting together the ISS starting in January 1999. Based on our initial request to be manifested

onboard, the ISS Payloads Office is listing Amateur Radio as being onboard with (1) a transportable station (H-Ts), (2) a site on the EXPRESS pallet, and (3) a permanent station on the Habitation Module. Amateur Radio soon will be assigned a Payload Integration Manager (PIM) for each of these.

ATTORNEYS AND PROFESSIONAL ENGINEERS: THE ARRL WANTS YOU!

One important service the ARRL provides to amateurs with antenna restrictions is referral to attorneys or professional engineers in their areas. Because they are hams, these attorneys and engineers are aware of our particular concerns. These professionals are members of the ARRL's Volunteer Counsel[™] and Volunteer Consulting Engineer programs. They provide valuable assistance to hams who have to fight city Hall in order to pursue their interests.

The League does not expect a Volunteer Counsel to represent an amateur free of charge. When Headquarters makes referrals, we emphasize that VCs make their living practicing law and amateurs should not expect free or reduced-cost legal representation. Volunteer Counsels are asked, however, to provide an initial consultation gratis, so that the amateur may knowledgeably decide what further steps to take.

The Volunteer Consulting Engineer Program provides assistance to amateurs who may need to meet structural requirements set forth by local zoning authorities. Such engineering requirements are often necessary to obtain a permit to erect an antenna support structure.

Hams often need an "expert witness" to certify that the tower in question meets or will meet the engineering requirements of local ordinances. Amateurs who need assistance are referred to Volunteer Consulting Engineers in their area.

As with Volunteer Counsels, VCEs are not expected to provide their services for free. We only

ask them to provide an initial consultation gratis, and to consider giving discounted rates to amateurs where possible to meet a common goal for the good of Amateur Radio in the community.

VCs and VCEs must be full ARRL members and licensed amateurs. VCs must be admitted to the bar in the state for which they are listed, and VCEs must be Registered Professional (structural, civil or mechanical) Engineers. If you are interested in becoming involved in either program, please contact the Regulatory Information Branch at ARRL Headquarters. We can be reached by phone at 860-594-0323, or by e-mail to reginfo@arrl.org.

NEW USES FOR THE OLD CODE: MORSE 2000 WORLD CONFERENCE SET

Morse 2000 Worldwide Outreach is giving Morse code a new lease on life to help rehabilitate and educate people with special needs and disabilities. The first Morse 2000 World Conference is now set for late October in Minnesota.

Because it can be sent using a binary-opposition movement pattern, Morse code can be generated with left-right, push-pull and puff-sip control. The code—used in communication for the past 150 years and being phased out in many spheres—has proven to be among the best of several adaptive computer-access methods and augmentative or alternative communication techniques for many people with special needs. The ARRL Foundation has supported the program through grants.

"We now have over 2,000 participants in 27 countries!" exclaims Debra R. King, N9GLG, the director of Morse 2000 Worldwide Outreach. King manages the Office of Continuing Education in Human Sciences and Services at the University of Wisconsin—Eau Claire, and enthusiastically promotes the use of Morse code in rehabilitation

Continued next page

and education. Thomas King said, "The first Morse 2000 World Conference will be held October 25-26, 1997, in Bloomington, Minnesota. Featured speaker is rehabilitation engineer Kevin Caves of the Rancho Rehabilitation Engineering Program in California.

Although the conference is aimed at clinicians, teachers, therapists, assistive technology users, researchers and product developers, Amateur Radio operators also are encouraged to attend and share their technical knowledge, and to help develop equipment and code skills to train others.

Registration prior to October 1. For more information on the conference or on Morse 2000, contact Debra King, Morse 2000 Worldwide Outreach, Human Sciences & Services Outreach Office, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004; tel. 715-836-3990; e-mail kingdr@uwec.edu.

ALLAN L. SEVERSON, AB8P, SK

Former Great Lakes Division Director Al Severson, AB8P, of North Olmsted, Ohio, died September 22, 1997, following a long illness, he was 65. Severson served as Great Lakes Director from January 1990 until June 1995, when he resigned for health reasons. Previously, he's served as a vice director from 1985 to 1990. He was a Life Member of ARRL, and a member of QCWA and the West Park Radiops as well as many other clubs throughout the Division.

PHILLIP S. WILLIAMS, 5W1AU, SK

Phil Williams, 5W1AU, died September 19, 1997. Williams served for 17 years as president of the Western Samoa Amateur Radio Club.—Marty Maessen, 5W1AT

IN BRIEF:

* This weekend on the radio: The CQWW RTTY Contest, and the Scandinavian Activity SSB Contest will keep busy this final weekend of the

month. Details on page 105 of Sept QST.

* Correction/compliment: In our report on new Gate 3 call signs we incorrectly reported Mike Amaral's former call sign. He gave up WA1IDP to become WA1AW. Mike says the "SW" suffix has "a real smooth CW feel," but adds, "It is my little way of saying thanks to ARRL (and HPM!) for the help it provided me over the years, especially when I used the publications *How to Become A Radio Amateur* and *Learning the Morse Code*," and for those code practice sessions I copied from W1AW when I was a boy of 12 or so. Mike says he was first licensed in 1967.

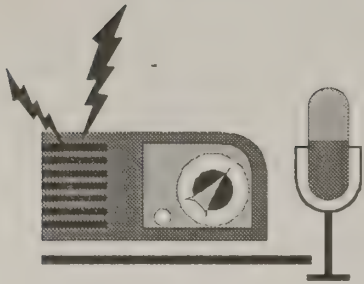
* Gate 3 numbers: The FCC reports it issued 597 new call signs in response to vanity call sign applications filed on August 6, the opening day of Gate 3. Another 759 first-day applications were set aside for special handling in the so-called WIPs (work in process) stack at Gettysburg.

* Ham radio at the CMA Awards: Country music star Patty Loveless, KD4WUJ, did not repeat as female vocalist of the year at the 31st Country Music Association awards this week. Loveless had won the award two years running. Country legend Ronnie Milsay, WB4KCG, announced the nominees and this year's winner, Trisha Yearwood. During the awards telecast Wednesday, Loveless performed her latest, "You Don't Even Miss Me," with help from another legend, George Jones.

* World Puzzle Championship special event station: Activity from special event station 9A97WPC at the sixth World Puzzle (ENIGMA) Championship in Koprivnica, Croatia, continues through September 28. The station will be active on CW and SSB. QSL via the bureau or to QSL manager 9A3KQ.—9A6JYL

* Iranian special event station: Special event "pilot" station EP23TIE will be on the air October 2 until October 10, to mark the 23rd Tehran International Exhibition. EP23TIE will be on the air from 0530 until 1330 UTC daily. QSL to the

Continued on page 16



DX DX DX

By John Kanode,
N4MM

SHOULD THERE BE A QRP DXCC AWARD?

Several DXers who are interested in QRP operations have asked "Why is there no DXCC award for QRP operation?" Good question. The main reason is that the QAP community has not gotten together on this issue and effectively lobbied for such an award. There are a lot of QRP organizations around the world and some have done wonderful things to promote QRP operation.

There are some organizations that offer various awards for QRP operation. CQ Magazine has a QRP endorsement for their 2 way awards. Others have awards for the most miles per watt. If you are a QRP operator and think that having a DXCC for QRP operation is a good thing, let your ARRL Director know. If you are a DX club member, get your DX club to support a QRP DXCC award.

The QRP DXCC award has come up in the past at ARRL Board meetings but with no overall support. To achieve such award, it will take wide support from all over the country. It has to be a large, broadbased effort, not one or two letters to 3 or 4 ARRL Directors. The QRP clubs will have to support a united effort to achieve this goal. Is this possible? I guess time and the amount of interest will determine that.

RECENT DXPEDITIONS

The recent VK9WM/WY Willis Island and the ZKIXXP North Cook DXpeditions were conducted very well. They were on constantly and several bands at once. With propagation being here one minute and gone the next, by being on several

bands at once, it gave larger windows of opportunities so that many got to work them. I have worked both of these countries many times and on several bands but with these operations, I managed to work the VK9 on three new bands and the ZK1 on 160. In today's world of DX, if you want to have a dxpedition that is above the crowd, one must be able to keep three to four transmitters on constantly.

This is the reason the recent Heard Island was so successful and just about anyone who made a reasonable effort managed to work it. They made over 80,000 QSO's. There are several other major DXpeditions that will take place in the upcoming months. I hope they are run in the same manner, if so, they too will be a success.

UPCOMING DX CONTESTS

Worked All Europe RTTY Contest

November 8-9, 1997

VK/ZL/Oceania CW Contest

November 11-12, 1997

IARU Region One 160 Meter Contest

November 15-16, 1997

RSGB 1.8 MHz CW Contest

November 15-16, 1997

CQ WW CW DX Contest

November 29-30, 1997

TIDBITS

Jim Smith, VK9NS has put together a book on Amateur Radio in Bhutan. It is titled "A background History to Amateur Radio in the Kingdom of Bhutan" It is 45 pages and goes back to 1947. The book is spiral bound 8 1/2 by 12 inches. It is available for a \$25.00 donation to the Heard Island DX Association which includes shipping.

The recent 5A28 Dxpediton made over 11,000 QSO's. They made 51 QSO's on six meters (none to NA). It has been reported that a German group will operate from Libya in November. If you missed this operation, you may get another chance.

Continued next page

I managed to work them on 12 meters but not 10 meters. I hope 10 is open by then. QSL for the 5A28 is via OE2GRP, Recep Gsoy, PO Box 200, A-5202 Neumarkt A.W., Austria.

The OKDXA will have its 1997 Banquet on Saturday, November 9, 1997 at the Broken Arrow Church of Christ, 505 East Kenosha in Broken Arrow, Oklahoma. The doors open at 4:30 PM and the BBQ dinner starts at 5:30 PM. The reservations are \$15.00 and checks/money orders should be sent to Jim Hood, K5TT, 11623 Smoking Oaks Drive, Oklahoma City, OK 73150.

The DX Forum at the Virginia State ARRL Convention went very well. Bob, K4UEE gave an excellent presentation on the recent Heard Island, VK0IR DXpedition. He passed out pieces of lava from the island to those who were at his presentation. It is not often that you make radio contact with such a rare place and get a piece of it also. Bill Moore, NCIL, DXCC Manager, gave a update of activities at the DXCC Department at ARRL HQ. John Kanode, N4MM, Chairman of the DXCC 2000 Committee gave a detailed slide presentation of the proposed changes and enhancements that will be made to the DXCC Program for the year 2000 and beyond.

Directorate General of Telecommunications, Box 931, Tehran, Iran.

* RSGB Young Amateur of the Year: Fifteen-year-old Emma Constantine, 2E1BVJ, of West Yorkshire, is the Radio Society of Great Britain 1997 Young Amateur of the Year. Runner up was 14-year-old Mark Haynes, 2E0APH, of Essex. The pair was selected by a judging panel of representatives of the RSGB and the Radiocommunications Agency in Great Britain. Emma is a founder of the Rishworth School Amateur Radio Club, G0SQA, and has been its secretary for three years. The school's science department head, Anthony Vinters, G0WFG, described her as "an excellent ambassador" for Amateur Radio.—RSGB

* Goldwater ill: Press reports say that Barry Goldwater, K7UGA, may be suffering from Alzheimer's disease. Goldwater's wife, Susan, told reporters last week that opinions differ on whether Goldwater actually has the disease or is continuing to suffer the effects of 1996 stroke. Goldwater, the 1964 Republican presidential candidate and a long-time US Senator, remains at his home in Phoenix, Arizona.

PERSONAL PREPAREDNESS

C. Ed Harris, KE4SKY

The Boy Scout motto "Be Prepared" is very appropriate to amateur radio. At minimum, being prepared means having a reliable 2m rig that works, an auxiliary DC power source and a gain antenna. You don't have to belong to ARES, RACES or any other organized group to appreciate the ability to operate on emergency power, or being equipped to move and set up somewhere else.

During severe weather, power outages affect us all. Being prepared for the unexpected can prevent minor nuisances from becoming major

problems. We take the excellent repeater systems we enjoy for granted, but during a hurricane or winter storm repeaters may lose AC power, sometimes for days. If you hear a repeater announcing "AC power failure" or "BATTERY," please limit your use to essential calls. Otherwise, if you run down the battery backup and AC power isn't restored quickly, the machine may not be available for someone's emergency.

You should have some means of emergency power to operate your station for 72 hours. At minimum that means, a spare large capacity nicad pack, such as 1000 mah and a AA battery case for your HT and at least two sets of spare batteries, in case the AC doesn't come back soon to recharge your nicads when they run down.

Foundation For Amateur Radio

1997 Scholarship Award Winners



The Foundation for Amateur Radio is pleased to announce the winners of the fifty-six scholarships awarded for 1997. There were winners from twenty-three states. Fifteen of the scholarships were funded directly by the Foundation for Amateur Radio or by its member clubs and grants. Other scholarships were funded by various organizations or individuals and administered by the Foundation without cost.



Angela C. Skolaut, NØAUI - Great Bend, KS
QCWA Ralph Hasslinger Charter Member Memorial - \$1100

Angella has completed one year at the Barton County Community College where she is majoring in Elementary Education.. She comes from an all ham family and is able to stay in touch with them via amateur radio. This past summer she was one of eleven students to visit Meiningen, Germany as part of an exchange program. After receiving her Associate degree next year, she plans to transfer to Emporia State University to complete her undergraduate work

Richard S. Garrett, AAØCR - Florissant, MO
QCWA Max Jacobson-John Kelleher Family Scholarship - \$900

Sam Garrett holds an Extra Class license and will be a sophomore at American University where he is seeking an Interdisciplinary studies degree in communications, legal institutions, economics and government, He hopes to pursue a career in government service or journalism after graduation. He enjoys HF contesting and is proud of his journalistic efforts to publicize the achievements of young radio amateurs,



Landon E. Quan, KE6AUS - San Raphael, CA
QCWA Robert Cresap (W9LRI) Memorial Scholarship - \$700

Landon has used his communication skills participating in several Civil Air Patrol Search and Rescue operations. In addition he is an Eagle Scout and will be attending the San Francisco State University. He plans to earn a Bachelor of Arts degree in Mandarin and a commission in the United States Air Force through the Air Force ROTC.



John H. Ghigliotti, KC5GJJ - Norman , OK
QCWA Leo Meyerson Family Living Scholarship - \$600

John has been home schooled through high school and will be a sophomore at the Franciscan University of Steubenville, Ohio, pursuing the engineering curriculum. He has been successful in promoting Amateur Radio by encouraging his friends to become licensed.

Dakota A Derr, AAØNB - Burlington Junction, MO
QCWA Edwin Woodruff (W3SX) Memorial Scholarship - \$500

Dakota is a 4.0 honor roll student majoring in Computer Science as a sophomore at Northwest Missouri State University. The record shows that he progressed from Novice to Extra in six months. Although he has several diverse hobbies, he considers amateur radio to be the most rewarding.

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available

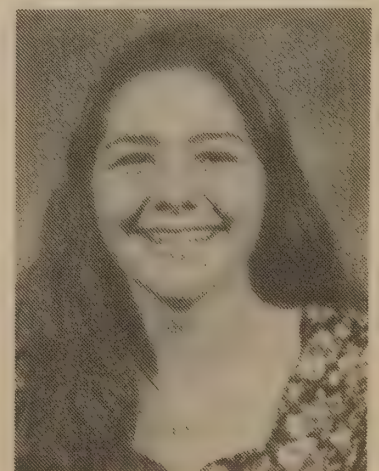


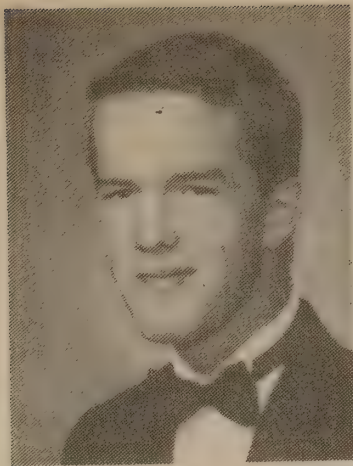
Jason S. Arntz, KB5ZQZ - Fort Worth, TX
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Jason will be a sophomore studying Chemistry and Computer Science at the University of Texas in Arlington. After he obtained his Technician License, he encouraged his father, mother and brother to become licensed. His father has since upgraded to Advanced Class and is now encouraging his son to do the same. In addition to Amateur Radio, he enjoys using his computer and playing his trumpet.

Shannon Brassfield, KB5RBX - Oklahoma City, OK
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Shannon has been on the Dean's list for two semesters and will be a sophomore at the University of Oklahoma majoring in music education and mathematics. She comes from an all-ham family and has been an active operator with her General Class license. Her favorite musical instruments are the piccolo and flute which she plays in the "Pride of Oklahoma Marching Band" and the Oklahoma University Band. After graduation she plans to teach either music or mathematics.



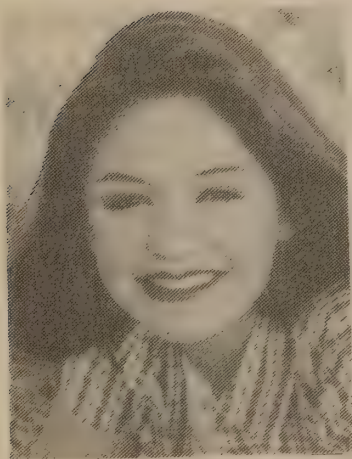


Dustin K. Bennett, KC5HGZ - Taloga, OK
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Dustin will be sophomore at Southwestern Oklahoma University majoring in pre-pharmacy. He holds a Technician Plus license and is active on both 10 meter sideband and CW. His high school record shows him to be a participator not only in the class room, but in extra-curricular activities as well.

David A. Case, KA1NCN - Hampton, CT
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

David is the previous winner of an FAR scholarship and will be a junior majoring in Political Science and Economics at Bard College. He holds an Extra Class license and has won several operating awards. When he turned 18, he became a Volunteer Examiner and, otherwise, continues to give something back to the hobby.

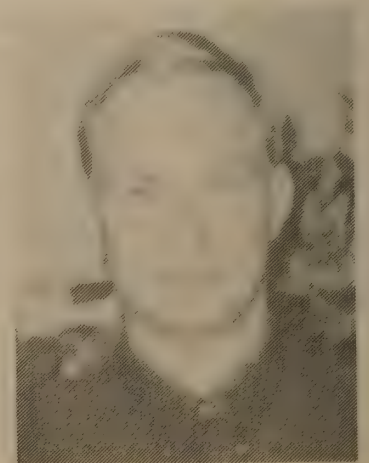


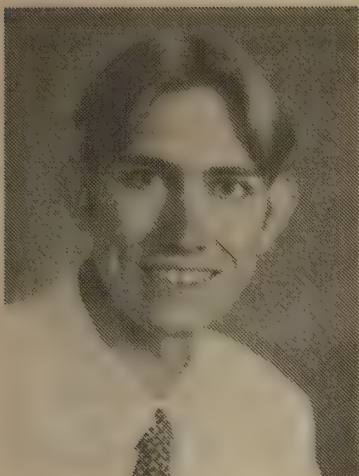
Angela M. Cruz, KB5UJR - Slidell, LA
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Angela obtained her Novice ticket when she was eleven and since upgraded to Technician Plus. Both of her parents are Extra Class licensees. She graduated in the upper fifth of her high school class and has been described as a hard working person with definite goals and aspirations. In addition to numerous extra-curricular activities, she has also served in her community as a Red Cross Volunteer. She will be a freshman at the University of Southern Mississippi initially pursuing courses in Business.

Gregory Gutka, N3NLF - Easton, PA
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Gregory will be a junior studying Electrical Engineering at Pennsylvania State University (Fogelsville). He is an active member of the Delaware-Lehigh Radio Club and credits his interest in Amateur Radio for helping to choose a career.





Jeremy M. Hanken, N1KWT - Hiram, ME
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

The influence of his grandparents caused Jeremy to obtain his Technician Plus license when he was 12 years old. He has been active in one of his radio clubs by helping to provide communications for several public service events. He plans to study political science and economics at Quinnipiac College in Hamden, CT. He hopes to eventually become a lawyer practicing business law and aspires to become involved in politics at the national level.

Joshua J. Henry, KB9JJG - Wisconsin Rapids, WI
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Joshua has been involved with Amateur Radio since 1996. He has participated in several Field Days and other activities sponsored by the Central Wisconsin Radio Association where he served as Secretary/Treasurer for a year. He participated in the National Boy Scout Jamboree at Fort A.P. Hill as a staff member at K2BSA. He will be a freshman studying Environmental Engineering at the University of Wisconsin (Platteville).



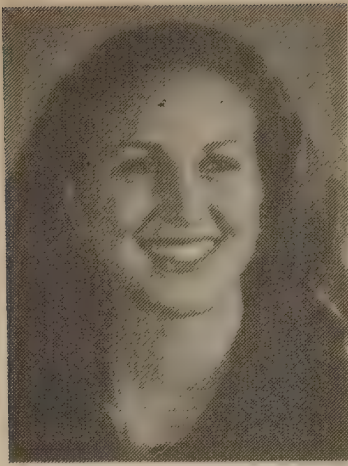
Amanda L. Lavalley, N2TSO - Woodstock, NY
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

Amanda was a 1996 honor graduate from Onteora Central High School and has completed her first year at the Ulster County Community College. She is now attending Cornell University majoring in Rural Sociology. She holds a Technician License and both her mother and father are also licensed. Her other hobbies include playing the piano, quilting, reading, swimming and outdoor activities. Last year she spent some time in Guatemala where she observed first-hand the relationship between individuals and their communities.

Jeffrey A. Sherer, N3IPT - Allentown, PA
Quarter Century Wireless Ass'n. Memorial Scholarship - \$800

After attending numerous hamfests and other amateur events with his father, Jeffrey received his Novice license at age 11. With a fascination for the hobby, he advanced to Technician Plus. During his eight years as a ham, he pursued the hobby with his other interests including skiing, photography, science and music. He plans to study for his economics degree at the Wharton School, University of Pennsylvania.



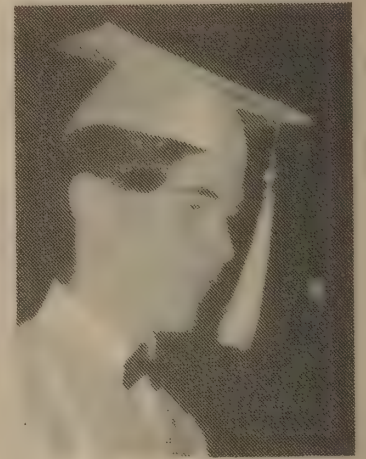


Carolyn M. Creel, N3UXZ - Silver Spring, MD
FAR Silent Key Memorial Scholarship - \$1000

While in high school, Carolyn was an honor student and active in several extra curricular activities. This fall she plans to attend the University of Maryland (College Park) and major in Criminal Justice. Since she became licensed in 1995, Amateur Radio has become an important part of living in an all-ham family. Though not a contester, she supports the Laurel Amateur Radio Club's programs by taking calls and providing information to prospective radio amateurs.

Antonio Fominaya, N3UIO - Greenbelt, MD
FAR Silent Key Memorial Scholarship - \$1000

Antonio is a graduate from the Eleanor Roosevelt High School's rigorous Science and Technology program. He holds a Technician class license and is a member of the Central Maryland Amateur Radio Club. He has helped to organize training classes and participated in the club's public service activities. At the Florida State University, he will be pursuing courses leading to a degree in Computer Science.



David J. MacCormack, N3BUX - Elliott City, MD
FAR Silent Key Memorial Scholarship - \$1000

David will be entering his senior year at the University of Maryland (College Park) where he is majoring in Computer Science. He holds a Technician license and was the 1995 winner of the Columbia Amateur Radio Association Scholarship. He enjoys operating on 2 meters and plays the trumpet in the University of Maryland's Marching Band.

Ethan Handwerker, N1SOH - Lexington, MA
Radio Club of America Scholarship - \$750

For the past year Ethan has pursuing the Electrical Engineering courses at the University of Massachusetts. He is an Eagle Scout and was very active in numerous high school and community activities. He holds a Advanced class license, is a member of the Yankee Clipper Contest Club and inactive on all bands. He participates on traffic nets and enjoys tutoring Amateur Radio theory to prospective hams. His father and brother are both licensed.



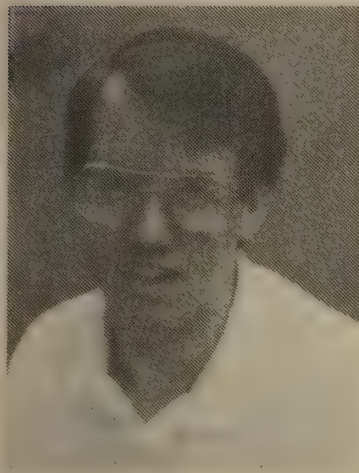
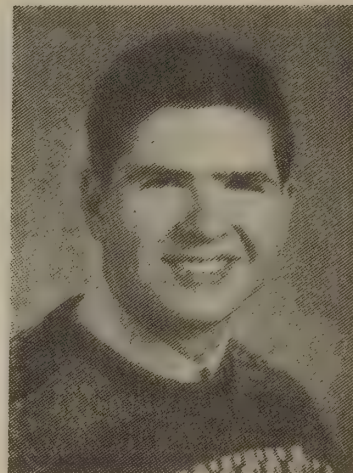


Zachary D. Sadecki, KB7FUV - Ashton, ID
Radio Club of America Scholarship - \$750

Zachary, who is a repeat winner for this award (1995 & 1996) became interested in amateur radio through the encouragement of his father KØJGH. His mother, sister and grandfather are all licensed. He holds an Advanced Class License and is active on the six and two meter bands. Currently he is preparing to enter his junior year studying Electrical Engineering at the University of Missouri. He credits Amateur Radio for developing his interests and pointing him in the direction for a worthwhile career.

James Sikorsky, N3PBH - Wapwallopen, PA
Radio Club of America Scholarship - \$750

James is one of our former winners who has completed the Associate Program in Telecommunications Technology will now be continuing on to pursue an Electrical Engineering degree at the Lehman campus of Penn State University. He holds an Extra Class license and enjoys VHF by participating in his club's contest efforts. He has also assisted with its radio communication support for charitable walks, triathlons and the severe floods in his area during recent winters.



John M. Steenis, KI7LX - Phoenix, AZ
Radio Club of America Scholarship - \$750

John completed two years as an honor student at the Paradise Community College in Phoenix and transferred to Purdue to complete his BS in Electrical Engineering. He reports that his first year there was both enjoyable and successful. First licensed in 1992, he has participated in most aspects of the hobby including club leadership and serving as a Volunteer Examiner.

Nicholas Goad, N1OOX - Randolph, VT
10-10 International Net Scholarship - \$1000

Nicholas graduated as the class valedictorian from his high school class where he participated in and led a number of activities including dramatics, music, student leadership and amateur radio. As the founder of the Randolph Union High School Amateur Radio club, he gave classes, taught radio etiquette, built kits, and generally promoted amateur radio. He is now pursuing a major in business at the Wharton School of Finance at the University of Pennsylvania.



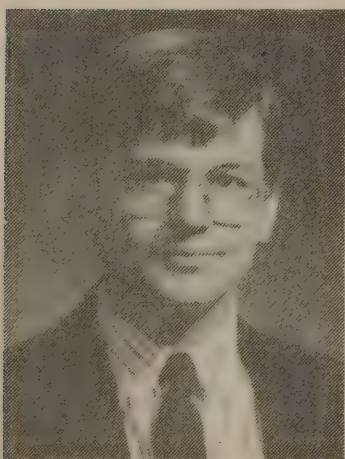


Nathan P. Jeffries, KI7QT - Spokane, WA
10-10 International Net Scholarship - \$1000

This Fall, Nathan will be entering his sophomore year at Gonzaga University in Spokane, WA where he is pursuing a degree in Business Administration with concentration on Management Information Systems. Since he is going to school in his home town, he is able to participate as an Assistant Emergency Coordinator in Spokane County. He received a community service award from the Spokane County Fire District of 100 hours of community service during last year's ice storm.

Timothy Mosher, WX9I - Woodridge, IL
10-10 International Net Scholarship - \$1000

Timothy was introduced to amateur radio by his grandfather and became licensed at age 11. He holds an Extra Class license and has completed two years at the College of DuPage. This fall he will be transferring to the University of Illinois (Urbana) where he plans to major in Electrical Engineering.



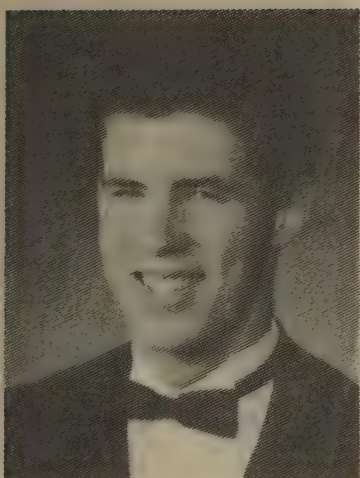
John Cowden, KC5DCP - Benton, AR
Richard G. Chichester Memorial Scholarship - \$1000
Sponsored by Patricia and Jack (W9AMF) Chichester

John holds a General Class license and was introduced to amateur radio by his mother and step-father. He plans to major in Physics and Music at Centenary College of Louisiana at Shreveport. He is an Eagle Scout and a member of the Benton Amateur Radio Society.

Michelle R. Sciarini, KB8ILX - Dover, OH
"Young Ladies" Radio League Scholarship - \$1500

Michelle feels she has always been interested in Amateur Radio because of her mother and father who are both Volunteer Examiners. She holds a Tech Plus license and particularly enjoys Field Day activities. This year she plans to major in Biology at the University of Akron. Ultimately she hopes to pursue graduate studies in plant pathology.





Michael S. Calhoon, N3SNI - Arnold, MD
Columbia Amateur Radio Association Scholarship - \$1000

Michael will be freshman at the University of Maryland (College Park) majoring in Computer Science where he is part of the Scholars Program. He was an honor graduate of Broadneck High School at Annapolis, MD and a member of the Maryland Mobileers Radio Club.

Andrew M. Leeds, N3MCB - Finksburg, MD
Baltimore Amateur Radio Club Scholarship - \$1000

This past summer Andrew was a Co-Op student at the Harris Corporation in Melbourne, FL. This will be the third year that he has received this renewable award and will be continuing his studies in Electronic Engineering at the Florida Institute of Technology. He is currently on the Dean's List and works part time as a UNIX system administrator for the Harris Corporation in Melbourne. During the summer, he served as one of the SkyWarn net controls for the area. He continues his membership in the Carroll County ARC in Maryland and has joined two clubs in Florida.



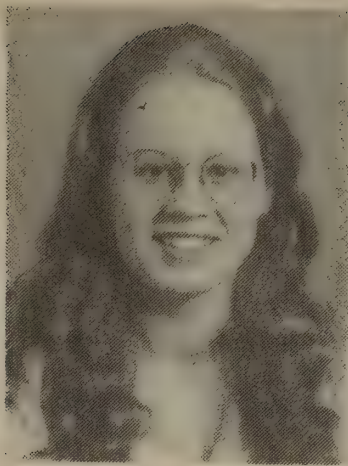
Nicholas P. Shaub, KE3HV - Baltimore, MD
Baltimore Amateur Radio Club Scholarship - \$1000

Nicholas will be a junior attending the University of Maryland in College Park majoring in physiology and neurobiology. He is a volunteer at the University Health Center and plans to attend medical school after graduation specializing in neurology or orthopedics. His amateur radio participation is primarily on two meters with some limited operation on HF. During his free time, he also enjoys rollerblading, street hockey and chess.

Franklin L. Wright, N3OQB - Silver Spring, MD
Baltimore Amateur Radio Club Scholarship - \$1000

Franklin will continue as a sophomore at Harvard seeking a degree in biochemistry. On the Amateur Radio front he has enjoyed his club's participation in its annual Field Day effort. In addition he continues to maintain his membership and participate in its activities.





Aileen K. Hudspeth, N3YAC - Woodbine, MD
Baltimore Amateur Radio Club Scholarship - \$1000

Aileen will be attending Radford (VA) University where she will be majoring in Music Therapy. She was a very active leader in high school, receiving several commendations and awards for both academic and leadership activities. Her application also shows participation in numerous community activities.

Andrew J. Guenther, N3NRP - Leonardtown, MD
Baltimore Amateur Radio Club
Ernie Dobos Memorial Scholarship - \$1000

Andrew was the recipient of an FAR scholarship in 1994. This year he will be a senior studying Mechanical Engineering at the University of Maryland (College Park). He holds a Tech Plus License and has served as both the President and Treasurer of the University of Maryland Amateur Radio Association. In addition he has been active in the intern program at the Johns Hopkins Applied Physics Laboratory which should serve him well in either the aerospace or subsea industries.

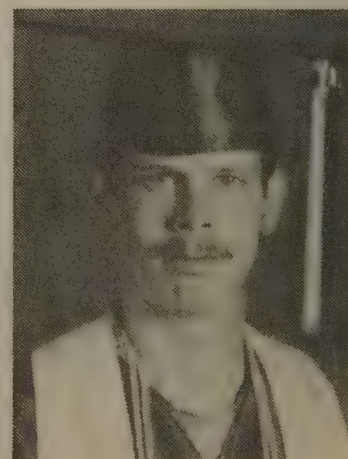


Nicholas R. Guydosh, N2MSE - Apalachin, NY
Ralph V. "Andy" Anderson, KØNL Memorial \$1000

Nicholas became an amateur when he was twelve after discovering amateur radio while on Boy Scout camping trips. Since then he has been active in local radio clubs and shared his hobby while at scouting events. He was an Eagle Scout and the valedictorian of his high school class. He was a semi-finalist in the Westinghouse Science Talent Search for the research which he conducted at the State University of New York (Binghamton). He plans to major in chemistry at Harvard University.

Eric P. Kessler, KD4DOF - St. Petersburg, FL
Dade Radio Club Tropical Hamboree Scholarship - \$1000

Eric is scheduled to graduate this year from the ITT Technical Institute in Tamps, FL with a degree in Electronic Engineering. He plans to continue his education by attending a factory school for the specialized repair of computerized milling machines and lathes.





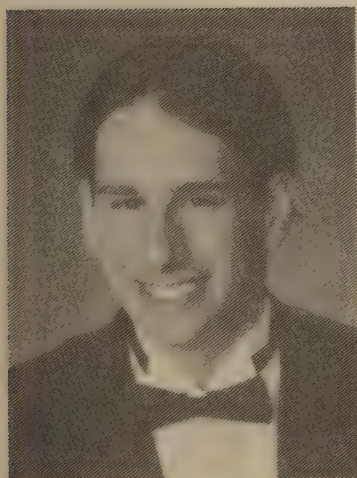
Wendy Joy Silverman, KC4ZQW - Spring Hill, FL
Dade Radio Club Tropical Hamboree Scholarship - \$1000

Wendy was one of our winners last year and will be a senior at the University of South Florida majoring in molecular biology. She plans to obtain a graduate degree in Genetic Epidemiology before going on to Medical School. She holds a General class license and hopes to upgrade to Advanced class. Meanwhile she participates in several public service and volunteer activities.

Steven Vitrella, KC4VBE - Jensen Beach, FL
Martin County ARA Scholarship - \$1000

Steven has completed 2 years at the Indian River Community College and plans to transfer to East Tennessee State University as a pre-med major. He holds an advanced class license and has been active in ARES/RACES Shelter communications.

Photo not
available



Scott M. Affens, KA3TUE - Olney, MD
Nanticoke Amateur Radio Club Scholarship - \$1000

Scott graduated from high school as a straight A student with a Certificate of Merit. He attained his Novice license at the age of 9 and upgraded to General a year later. He is active in Skywarn activities for the National Weather Service. His current plans are to attend the Rochester Institute of Technology majoring in Computer Science and Communications

Dana L. Eshelman, WS3L - Fort Washington, MD
Baltimore Radio Amateur TV Society Scholarship - \$1000

Dana has completed her first year at the Prince George's Community College where she is seeking an AA degree in Business Administration. She plans to transfer to the University of Maryland (College Park) and hopes to become a Certified Public Accountant.. She enjoys operating both CW and SSB on all bands and is a member of the Southern Maryland Amateur Radio Club. She is an accredited Volunteer Examiner and has been an HF Awards Manager for the past 5 years.





Darla L. Dilks, KB2LJX - Culpeper, VA
Virginia Beach Hamfest Scholarship - \$1000

Darla, one of last year's winners, was schooled at home and scored well above average in the College Entrance exams. She will be a sophomore majoring in Biology at Harding University in Searcy, Arkansas. She holds a General Class license and comes from an all ham family. Her other interests, when she is not involved in public service activities, include the Girl Scouts and volunteer work for the Red Cross and the local hospital.

Victoria L. Crawford, N4XDR - Virginia Beach, VA
Virginia Beach Hamfest Scholarship - \$1000

Victoria has completed her first year of Pharmacy School at Campbell University where she is working on her Doctor of Pharmacy. She holds a Technician Plus License and operates primarily on two meters. She particularly enjoys participating in Field Day exercises and Field Day events. She is a member of the Virginia Beach Amateur Radio Club, the Virginia Beach Youth Group and the Girl Scouts.



Matthew P. Ipock, KM4WZ - Chesapeake, VA
Victor C. Clark Memorial Scholarship - \$1000
Sponsored by the Vienna Wireless Society

Matthew graduated with honors from his high school and will be a sophomore attending Old Dominion University majoring in Journalism with a minor in Economics. Inspired by his father (and probably his mother who is also licensed) he holds an Advanced Class license. He obtained his Novice license at age 9 and has participated in community communications drills and activities ever since.

Mary Ellen Jauregui, N8UNV - Philadelphia, PA
Murgas Amateur Radio Club Scholarship - \$500

Mary Ellen was introduced to Amateur Radio by a close friend. She kept her "8" call after moving to Philadelphia from Ohio. Together with her father, she upgraded to General Class. Her other interests include: scouting, music, debate and mock trial. Her plans are to attend Rensselaer Polytechnic Institute and major in aeronautical engineering.



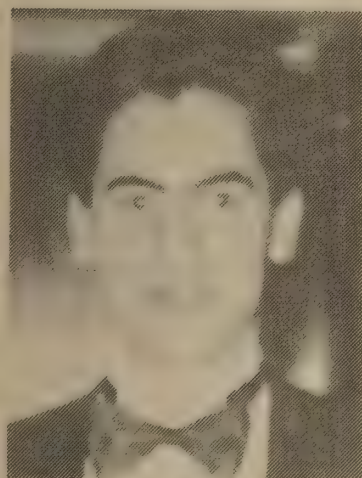


Paige E. Forrest, KE3UG - Baltimore, MD
Rose Ellen Bills Memorial Scholarship- \$2000

Paige, who was one of last year's winners, will be returning to St. John's College in Annapolis, MD as a sophomore where she is studying philosophy and the history of mathematics and science in the college's unique "Great Books" program. She became interested in amateur radio as an outgrowth of interest in computers and computer communications. She holds an Advanced Class license and enjoys operating CW on the HF bands. She hopes to attend medical college after graduation. She was named the 1996 Volunteer of the Year at the Kennedy-Krieger Institute for children with disabilities and hopes to continue working with children.

Daniel S. Zimmerman, N3UMH - Erie, PA
Rose Ellen Bills Memorial Scholarship- \$2000

Daniel was a National Merit Scholar and has been selected for the Honors Program in Physics at Clarkson University. He holds an Advanced Class license and is active on all bands. He is a member of the Radio Club of Erie and participates in their numerous activities.



Mark W. Lazzaro, N3BVW - Mt. Airy, MD
Frederick Amateur Radio Club Scholarship - \$1000

Mark spends much of his operating time in public service activities and holds a General Class license. He comes from an all-ham family and will be a sophomore at Towson State University majoring in Business and Music. He organized and served as the net control for the Maryland Amateur Radio Youth net on 10 meters. He is involved as a Skyward spotter and enjoys contesting.

Steven D. Miller, KB9DFE - Spooner, WI
West Allis Radio Amateur Club Memorial Scholarship - \$1000

With the academic challenges of his senior year, Steven looks forward to remaining active in the Milwaukee School of Engineering Amateur Radio Club and his second year as its president. He has been a scholarship winner for the past four years and believes that it will inspire him to continue to give something back to the amateur community. He expects to receive his B.S. degree in Electrical Engineering Technology in June 1998 and hopes to continue on to graduate school.





Christopher D. Molek, KB9GTK - Richland Center, WI
West Allis Radio Amateur Club Memorial Scholarship - \$1000

Christopher was attracted to amateur radio because of the encouragement from his father. In less than six months he passed his Novice, Technician and General class tests. He will be sophomore majoring in Chemistry at the University of Wisconsin in LaCrosse and then seek a Masters degree in Physical Therapy. Besides participating in community activities, he enjoys weight lifting and outdoor sports and provides assistant coaching for his Alma Mater's Varsity squad.

Amy L. Tlachac, N9TLN - Wisconsin Rapids, WI
West Allis Radio Amateur Club Memorial Scholarship - \$1000

Amy spent her first two years at the University of Wisconsin (Madison) and then transferred to its Stevens Point campus. She is pursuing a course of studies in communications and Music Education and hopes to combine both skills in public relations or radio broadcasting. She is an accomplished oboist and a member of the Stevens Point wind ensemble and orchestra. She comes from an all-ham family and, whenever her school work permitted, has participated in Field Day every year since she was first licensed. This is the third time that she has been one of our Wisconsin scholarship winners.

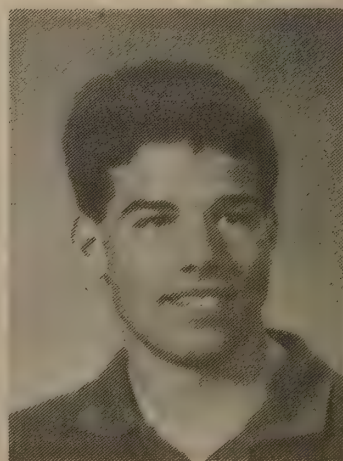


Benjamin F. Kablau, AA9RI - Shorewood, WI
South Milwaukee Amateur Radio Club Scholarships - \$500

Benjamin has an Extra Class license and is a member of the Milwaukee School of Engineering Amateur Radio club. He has completed three years and expects to receive his Electrical Engineering degree in 1999.

Steven Lampereur, KB9MWR - Green Bay, WI
South Milwaukee Amateur Radio Club Scholarships - \$500

Steven will be going to the Northeast Wisconsin Technical College where he expects to receive his Electronics Technician Associate degree in 1999. His attempts with a few other ham classmates to form an amateur radio club in his high school were not successful. This prompted him to join a local radio club which led to volunteering for walkathons, helping out during parades and most of all meeting other hams.





Raymond G. Meyer, N9PBY - Port Washington, WI
South Milwaukee Amateur Radio Club Scholarships - \$500

Ray has received this award on two previous occasions and this year he will be a junior majoring in Electrical Engineering Technology at the Milwaukee School of Engineering. He is the Vice President of the Amateur Radio Club at MSOE and serves as the System Operator for three Bulletin Board Systems. His main interest is in the high speed digital modes although he plans to teach a Technician Class for a local search and rescue dog team.

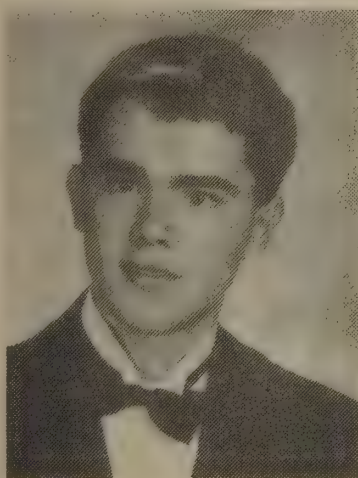
James E. Slone, KB9JSI - New Palestine, IN
South Milwaukee Amateur Radio Club Scholarships - \$500

James has played the drums since he was eight years old and hopes to combine his interests - electronics and music - into a successful career. He is a member of the Indiana Skywarn system and two Repeater associations. He will be starting his freshman year at Purdue University majoring in Electrical Engineering Technology.



Hernan G. Hidalgo, N3OKP - Silver Spring, MD
Free State Amateur Radio Club Scholarship - \$ 1000

Licensed since 1993, Hernan is a General Class operator who actively participates on all of the bands. He enjoys serious DX contacts because he is fluent in languages other than English. He has been an active participant in several of his club's public service activities. He enjoys writing amateur radio articles and has been successful in having several of them published. He will be starting his second year at the Montgomery County Community College where he is majoring in Communication and Broadcasting Technology.



Patricia Pelczar, KA1TPM - Rocky Hill, CT
Kevin Barry Perdue Memorial Scholarship - \$2000
Sponsored by Kay(WT3P) and Carter (N3AO) Craigie

Patricia will be a sophomore at Trinity College where she is double majoring in Biology and English. During the summer she was a volunteer in the anatomic pathology laboratory at the John Dempsey Hospital. She holds an Extra Class license and comes from an all-ham family. She serves as a Volunteer Examiner and enjoys helping her father, a middle school teacher, with the school's amateur radio club. She was also a member of the equestrian team and the office manager of the college's First-Year Program Office.



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OWORMSER@C3IUSA.COM, SRUFFIN@C3IUSA.COM, TPRICE@C3IUSA.COM

1997 MD-DC QSO Party Results

by your Qso Party Committee WA3EOP KZ3AB N3VDU N3HTN N3VGS

Single Ops MD-DC

WA3DCG 740 x 74 54,834
KD3O 652 x 60 39,120
KE3VV 501 x 56 28,056
WA3AAT 465 x 49 22,785
N3WD 497 x 27 13,419
WB3GEJ 225 x 42 9,450
NS3X 241 x 35 8,435
W3CP 265 x 28 7,420
WA3EOP 256 x 27 6,912
W3ABC 243 x 22 5,346

Plaque to Tom Bishel
WA3DCG - Congrats!

Other Logs from

AE3O 3264
WA3EOQ 2324
K3TNM 2080
WD3P QRP 1400
KG6TU 1728
N3YVW 1157
W3YVQ 1652
KD3JK 624
K3ABH 96

MD-DC Novice Tech

N3VGS 179 x 5 895
N3KHK 73 x 8 584
N3TDN 121 x 4 484
N3VDU 83 x 3 249
N3WIZ 29 x 8 232

MD QRP

K3TKS 194 x 23 4462
WD3P 100 x 14 1400
N3VGS 179 x 5 895

Maryland Mobiles

WB3AKD 507 x 24 12,168
WE5X 268 x 35 9,380
KA3PNI 112 x 5 560
K3UMV 134 x 4 536
NF3X 40 x 13 520
N3QQC 62 x 3 186
N3TDN 76 x 2 152

MD YL

KA3PNI 112 x 5 560
N3QQC 62 x 3 186

Clubs

KB3BLK 2356 x 100 235,600
Laurel A.R.C. New Record!

N3AC 489 x 66 32,274

Columbia A.R.A.

K3PZN 515 x 43 22,145

Carroll County ARC

W3HAM 454 x 44 19,976

Cheese Hollow ARS

KB3BLR 261 x 40 10,440

Central MD ARC

KB3BPZ 289 x 24 6,936

Baltimore ARES

W3VPR 227 x 23 5,221

Anne Arundel Radio Club

K3TKS QRP 194 x 23 4,462

Maryland Milliwatt Club!

WA3GUB 141 x 18 2,538

Baltimore Co. Emer. Radio

W3CWC 97 x 4 388

Antietam Radio Assoc.

NC3DX Active but no log

International Division

WA3HAE 500 x 20 10,000 International Champion
KX3V 276 x 15 4,140 2nd Place International
KK7K 233 x 11 2,563 3rd Place International

OTHER REGIONAL WINNERS

VA3IX Ontario 350 NY3C Delaware 873
K4BAI Georgia 354 W7LQU Idaho 36
WA1QVM QRP MASS 1914 WB2JAF Miss 245
AB7UN MT 56 W2LRO NJ 960
WA2BQI NY 420 K4UK VA 1692
KB8ZQM WV 660 KF9GP WISC 576
N2CQ NJ QRP 318 K3WWP PA QRP 664
KB8WHW WV Tech 636

Other regional logs

K4GSX GA 155 N2SQW NY 145
NA2X NY 42 KX3X PA 2310
N3WVR PA 1608 KB3AFT PA 1488
WT3P PA 1476 N3VGP PA 153
N4MM VA 1040 N3TG VA 518
KB8YJX WV 312

Our Thanks to All who participated and
sent in logs!



Brian Meek, KC8BNP - Westerville, OH
Robert E. True, Memorial Scholarship - \$1000
Sponsored by Mrs. Shirley True Banning

Brian has completed one year at the Devry Institute of Technology where he is pursuing courses that will lead to a B.S. degree in Electronic Engineering Technology. He holds a Technician Class license and enjoys volunteering for the area's various public service events. His main interest, however, is the design and construction of equipment. His other hobbies are mountain biking and motorcycle riding.

James W. Gregory, AD4GN - Paducah, KY
Lawrence E. and Thelma J. Norrie Memorial Scholarship - \$2500

Jim is beginning his fourth year Aerospace Engineering at Georgia Tech. He is also has a co-op job with Delta Airlines, working in the engineering department for aircraft maintenance. In addition to amateur radio, his interests include marathon running and building model airplanes. His amateur radio interests focus on both rag-chewing and the digital modes.



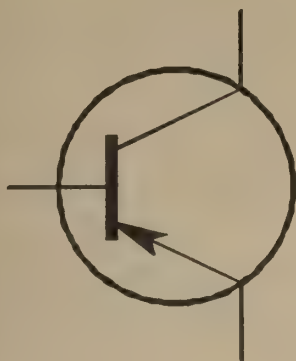
David P. Swaney, N3KCS - Mifflinburg, PA
Old Old Timers Club Scholarship - \$600

This year, David will be a sophomore at Penn State University (University Park) majoring in Engineering. During his freshman year, his team won an award for the Freshman Engineering Design Challenge competition. He holds a Technician Class license which he uses primarily to keep in touch with his family - his father, brother and sister are all licensed.

Donald G. Trask, N1TZR - Augusta, ME
Beatrice Chapman, K1OKC Family Memorial - \$1000
Sponsored by the Augusta Amateur Radio Association

This is the second year that Donald has received this award. He will be entering his second year studying Applied Electronics at the Kennebec Valley Technical College. He credits Amateur Radio for helping to maintain a 3.89 Grade Point Average and being ranked second in his class. Other interests are biking, hiking and swimming.





Amateur Radio Training

John Forrest WZ4A
6111 Burnett St., Alexandria, VA 22310
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callaham NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	Essex Community College	(410) 780-6854
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARC	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 969-0410
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Godfrey Miller N8GM	(540) 877-2607
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kerry Kingham, WA4BQM	(703) 691-2719
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170



Volunteer Examiner Cooperative

JOHN FORREST WZ4A
6111 Burnett St.
Alexandria, VA, 22310
(703) 971-3905

ATTENTION VE's: It's time to plan your 1998 test dates. 1998 dates will appear in Autocall soon. Also, copies of the 1998 AutoCall exam schedule will be distributed to local ham radio stores around the middle of December. Please send your 1998 information to WZ4A as soon as possible."

* Effective July 1, 1997, the Novice and Technician written exam question pools (Elements 2 and 3a) will change. Five questions on RF safety will be added to each exam. All books and study materials not based on these new question pools will be obsolete after that date. Be sure to use study materials appropriate for the current question pool.

* Effective January 1, 1997, the maximum FCC authorized exam fee is \$6.26.

1997 Schedule of Examinations

November 2 (Sunday)	Landover, MD - DCMARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 Day
	Elkins, WV - (Mountain ARC VEC) Walk-In Contact: Walter Corley KF8SX (304)637-0506
November 6 (Thursday)	Martinsburg, WV - MADRA (ARRL VEC) Registrations Requested. Contact Greg Lanham (540) 722-4792
November 8 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In, Contact: Bob Israel WC3I (301)262-5083

November 15 (Saturday)	Sterling, VA - Dulles Amateur Radio Group (ARRL VEC) Walk-In Contact: Mike Weber WB8RDN (703)450-2304
	Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In Contact: John Creel WB3GXW (301)572-5124 after 6 PM
	Manchester, MD - Hanover Area Hamming Assn (ARRL VEC) Walk-In accepted, Pre-Registration Encouraged Contact: Ed Daves (410)239-8488
	Manassas, VA - Ole Virginia Hams Inc. (ARRL VEC) Walk-In Contact: Harry Vorhauer W4PVA (703)368-6050
November 22 (Saturday)	Fredericksburg, VA - Fredericksburg VE Team (ARRL VEC) Walk-In Contact: Carolyn Cavanagh AC4SK (540)373-7076
November 25 (Tuesday)	Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC) Pre-Registration Requested, Walk-Ins Space Available Contact: Jerry Gavin NU3D (410)761-1423
December 4 (Thursday)	Martinsburg, WV - MADRA (ARRL VEC) Registrations Requested. Contact Greg Lanham (540) 722-4792
December 7 (Sunday)	Landover, MD - DCMARC (W5YI VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 Day December 13, 1997 (Saturday)
December 13 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Cumberland, MD - (Mountain ARC VEC) Walk-In Contact: Leo Patterson KQ8E (304)289-3576, Gay Rembold W3DFW (301)724-0674

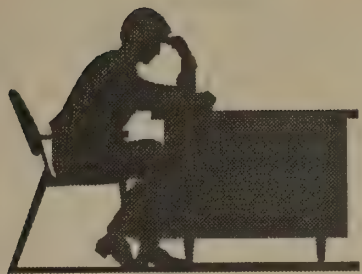
December 13 (Saturday)	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083
January 4 (Sunday)	Landover, MD - DCMARC (ARRL VEC) Walk-In Contact: Freddie Battle NG3G (202)546-9348 Day
January 10 (Saturday)	Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In Contact: Frank Mackey K4EC (703)455-1510
	Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In Contact: Bob Israel WC3I (301)262-5083

TRAINING CLASSES

ELMER COURSE: The Mt. Vernon Amateur Radio Club will present an Elmer Course to help new hams become more proficient in the hobby by transitioning from license exam study to station building and actual amateur operation. If you have questions, problems, or are feeling left out of the amateur radio community, perhaps we can help. The course will meet from 10:30AM to 1:30PM on the fourth Saturday of each month from August thru December at the Mt. Vernon Government Center on Parkers Lane in the Mt. Vernon area of Alexandria, VA. For information contact: Frank Lempicki, AA4ZS at (703)971-9304 or Chuck Haser, W3HSW at (703)660-6623.

ELMER COURSE: The Historical Electronics Museum Amateur Radio Club (HEMARC) is offering a Hands-On/Elmering Course for licensed amateurs. The course offers hands on experience in building and operating ham gear. Students will build and operate a one tube QRP transmitter. The class is limited to 10 students. The class will meet every Tuesday night for 12 weeks from 6:30 to 9:30PM starting 7 October at the museum in Linthicum, MD. For information contact: Heru Wamsley, W3WVV at (410)766-3545 or Ray Robley, KD3KK at (410)859-0178.

NOVICE/TECHNICIAN COURSE: The Central Maryland ARC (CMARC) will offer a free Novice/Technician class beginning on Friday September 12, 1997 and continuing thru December (with the exception of CMARC club nights). CW practice will start at 7 PM followed by theory presentations at 7:30. Students must purchase study materials costing about \$19. Classes and club meetings are held at Doctors' Community Hospital, 8118 Good Luck Road, Lanham, MD. Enter via the Outpatient Testing entrance across from the Emergency Room entrance behind the main building. Take the elevator to the 5th floor and exit left to the meeting room (DSE Room) on the right. Contact for information: James Tilton KD3JA at (310)552-0012.



Volunteer Examiner Cooperative

EXAM FEES:

- * Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- * ARRL VEC exams cost \$6.25
- * Laurel VEC exams are free
- * Mountain VEC exams are free
- * W5YI VEC exams cost \$6.25

BRING TO EXAM:

- * Picture identification
- * Completed FCC form 610 (most VE teams will supply at exam)
- * Original and a copy of current FCC amateur radio license
- * Originals and copies of all active certificates of successful completion of prior exams
- * Exam fee (check or cash depending on VE team)

"GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- * If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., January 25 for March issue)



Alexandria Radio Club

Meetings: Second Friday of each month, 7:30 PM at the Alexandria Fire Department Administrative Office (co-located with Fire Station #54), 900 Second St., Alexandria, VA
Nets: Every Thursday at 8:00 p.m. on 147.315 output / 147.915 input. (W4HFH repeater)

Web page: <http://members.aol.com/n4cwp/w4hfh.html> (or search on Yahoo: W4HFH)

Information: Rich -KA4GFY, 703-644-3920.

The Alexandria Radio Club has been busy during September and October. Our September program and technical discussion was power supply basics by KA4GFY. Our hidden transmitter was N4ASX, who hid in a rather conspicuous place in the West End of Alexandria.

The hunters had a hard time finding him, because it was too obvious. We will continue to do transmitter hunts as long as the weather permits. All are invited, both club members and other hams, to join in the hunt.

Pick up the frequency and particulars at noon on the Saturday following the club meeting at noon on the club repeater. A prize is awarded to the first person to find the hidden transmitter.

During October, the club participated in the Jamboree on the Air with the scouts, doing its part to promote amateur radio. Also, we took part in some of the contests during the month and the annual Marine Corps Marathon as a club activity. The Marine Corps Marathon is a great way to test your net skills, and support one of the biggest sporting events in the area. It generates a lot of positive publicity for our hobby.

The October program was presented by Sterret, KF4MBE, on converting commercial equipment

to ham use. In addition, we also conduct a code practice session, and some planning for Marine Corps Marathon.

For November, our own Mike Rhodes, KD4LQS, will talk about the latest in Cellular and Personal Communications Systems. Mike recently returned from a temporary assignment in Houston, TX designing and setting up PCS in the Houston area. It should be an interesting program, because all the equipment is high tech.

We are also planning to participate in the November Sweepstakes. This contest is a lot of fun. Its a good way to earn some of those awards you have been looking for, like Worked All States, Worked All Continents, and DX Century Club. Contesting sharpens operating skills in a hurry.

The club is in the process of arranging programs and tech talks for the next year. If you have a particular topic you would like to hear about, let us know. We are always looking for ideas for programs.

In addition, we have a code practice session each meeting, and a monthly tech talk. If you have a particular subject that is giving you fits in your quest to pass the written test, let one of our officers know and one of our more technically inclined members will be tasked with developing a discussion to help you over this block.

Make your plans for the December meeting! AMRAD will be here with the latest in ham radio technology.

73, Rich, KA4GFY



Reminder - all submissions for

AUTO CALL

are due no later than
the 1st of the month prior to the
month of publication!!



Arlington Amateur Radio Club

Meeting: Third Tuesday of each month, 7:30 P.M., Red Cross building, 4333 Arlington Blvd., Arlington, VA. Nonmembers welcome!
Net: Tuesdays (except meeting nights), 7:30 P.M., 144.87/145.47 Mhz FM.

Information: Mike Callaham, NW3V @ WA3TAI, callaham@CapAccess.org, (703) 241-5618.

LLBBS: Area 1 of Beachcomber Joe's BBS (703) 243-0024.

WWW: <http://www.geocities.com/CapeCanaveral/Lab/4306/>

The next meeting of the Arlington ARC will be on Tuesday, October 21, at the American Red Cross, Chapter House, on US 50, in Arlington.

September 16, meeting:

Vice President Dennis, W4PWF called the meeting to order at 1937 Local, while our President Mike, NW3V, set up the equipment for the program. Attending were:

Dennis	W4PWF
Tom	N4BYF
Walt	KT4EL
Mike	NW3V
DC	WD4FOX
Jack	WA4FXX
George	KR4MU
Joe	KJ4S

The minutes and treasurers report were approved as submitted.

Old Business: Simulated Emergency Test — Walt, KT4EL and later George, KR4MU provided the following report on the SET that the AARC participated in on August 23. Alan, KD4FRK; Mike, NW3V; George, KR4MU; Walt, KT4EL;

Jack, WA4FXX from the AARC and Mike, N3PDK participated in the SET which was a joint exercise of the American Red Cross and RACES..

The exercise began at 0900 when a simulated hurricane hit the Washington Metro Area, causing heavy flooding which resulted in the evacuation of several low lying areas and the establishment of shelter facilities by the Arlington Chapter of the Arlington Red Cross.

The AARC set up operations in the radio room of the Chapter House, using 2m and HF communications. The AARC players initially checked in on 145.47, while the exercise participants were checking in and reporting on the SET 2m frequency. Long range (to Norfolk, VA) communications were provided on 75m using the station HF rig. Two operators operated out of their home QTH's to simulate communications at the Thomas Jefferson Community Center "shelter" and on an Emergency Response Vehicle.

The exercise went smoothly and all communications systems worked well. The principal lesson "re-learned" was that an operator can effectively only operate one rig at a time, especially when handling traffic and Packet on 2m cannot be too close to the 2m voice rig. Also, additional head sets are needed in the shack, along with the necessary jacks. The exercise terminated about 1130.

QSL Card — Jack, WA4FXX reported that the CLUB QSL card is progressing nicely, but we did find out why he has been dragging his feet on this project. He is moving his QTH and did not want to have any cards made until he got to his new QTH — which has plenty of room for a nice antenna farm. Nice planning Jack.

New Business: Far Meeting — George, KR4MU reported on the August 10th FAR meeting. Walt, KT4EL was winner of First Prize at the FAR FEST, an ALINCO DX70.

Beachcomber Joe's BBS — Joe, KJ4S reported

that he has closed down Beachcomber Joe's BBS due to a lack of interest. It has been running for 24 hours a day for five years and in recent months has only had a few hits. Joe, said that the files remain available to anyone needing them.

The club gave Joe a vote of thanks for his tremendous effort running Beachcomber Joe's BBS. KISS and Telnet: Amateur Packet Radio by Mike Callahan, NW3V — Our President, Mike, NW3V presented an outstanding talk and demonstration on packet radio, centered on the BayPac BP-2M and BayCom Packet Terminal Program. Topics covered included, "What is packet radio?, A brief history, Getting started, The usual approach, Things your mother never told you, Packet radio without a TNC, Packet radio without a radio, Packet radio without a license, What you will see around here (locally), TCP/IP (Trans Control Protocol/Internet, Protocol - A Demonstration, and Where additional information on packet is available.

The charts and diagrams were excellent and for the first time made packet radio clearer for more than one member of the AARC. Especially interesting was the list of contacts and references. These charts and references and posted on the Arlington Radio Club Home Page, for those that did not have an opportunity to attend this program. At: <http://www.geocities.com/CapeCanaveral/Lab/4306>.

73, Walt, KT4EL — Secy

Maryland Radio Center	
3394 Fort Meade Road Laurel, Md. 20724 (301) 725-1212	OPEN 10AM to 5PM Mon-Fri 10AM to 3PM Saturday
Kenwood, Icom, Alinco, Standard	
Home of WeatherNode™ Wireless weather information to your computer. Visit us on the Internet at http://www.weathernode.com	



Baltimore Amateur Radio Club

Meetings: Meetings: Twice monthly, 7:30 pm at Dulaney High School, 225 E Padonia Rd, shop #3... (June through Sept 97). -First Wednesday of the month -business meeting, Third Wednesday of the month - program.

Repeaters: W3FT/RPTR 146.67(-), 224.24 (-) (no PL) and 449.625(-)(PL 107.2) Note: two meter/220 Mhz. repeaters are linked.

Club Net: Every Tuesday night at 8:30 pm on 146.67/224.24.

NTS Net: Daily at 6:30 pm on 146.670/224.240

Club BBS: (410) 252-6238 (min. 2400 baud)

Information: (410) HAMTALK

Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention information: (410) HAM-FEST or (800) HAM-FEST.

Club Address: BARC, Inc., P.O. BOX 120, Reisterstown MD 21136

BARC is 50 YEARS OLD

The September 27th anniversary picnic was attended by over 20, and was held at the home of WB3JLL, Jack. He was kind enough to make his station available for the special events station. Here is the station activity report from Randy, N3WXG & VP of BARC: "There was a total of 17 operators for the special events station. There were 10 that operated on the HF bands with a total contact count of 161. There were 9 that operated on VHF with a total contact count of 74. There were a total of 38 states, several Canadian Provinces and 1 European contact."

In addition to the special event station, we celebrated with a QLF contest. This contest consisted of sending a sentence from a routine QSO via CW, but keying it with the left foot. The winner was Robin, N3XPK. Her OM, Rusty, N3WKE and Jo, N3YFK came in close seconds. Congratulations to Rusty and two YL's for a great show. There were

several other contestants who's performance made these three stand out.

JOTA

By the time you read this, the Boy Scouts Jamboree of the Air (JOTA) will be over. As this is written, out plans call for the club to support a station at the Gunpowder State Park. N3YHC is planning the operation, and will hopefully supply a report for the December issue.

SKYWARN

There will be a Skywarn Basic Spotters Class I on December 3 from 7 to 10 PM in the Annapolis area. Information and registration is available by calling 410-222-8040. The NWS-Sterling web page for other classes is <http://tgsv5.nws.noaa.gov/er/lwx/class.htm>

73 for now, de N3VEJ, Doug

Cyrus, N3EPH, Sam N3ECI.

Happy to hear Sharon KA3DOF back on the Wednesday Nite Net. Roberta N3RRD glad to hear from you on the Wed. 20th net. Al K3BRS was a surprise check-in. Al one of our old local ham friends has been living in Tel Aviv, Israel for the past few years.

We hear that Juanita N3NQC is home, hope to hear her on the air soon. Our blessings go out to her from CCARS for a early recovery.

Our own Jim AA3CD as usual did an excellent job as assistant coordinator for radio communications. The MS Challenge One Hal Marathon 5K Race was run last month. Participating from CCARS were Jim AA3CD, Sam N3ECI, Colin N3UBI, Cyrus N3EPH and Ernie N4WJK.

73's Joe K3UAL



Capital City Amateur Radio Society

Meetings: 3rd Saturday of each month at 1200 hours at the Woodridge Public Library, 18th and Rhode Island Ave, N.E., Washington, D.C. Visitors welcome.

Repeater: W3EIL 144.51/145.11 MHz, open.

Nets: Regular net Wednesday at 2000 hrs, RTTY net Thursdays 2100 hrs, voice portion 2145 hrs, all on 145.110.

Mailing Address: CCARS, 1719 Franklin Street, N.E. Washington, DC 20018-2033.

Information: Steve, W3ETX, (202) 526-1329 or Chester, W3EIL (202) 529-9598, Joe K3UAL (301) 773-5074 EMail K3UAL@Juno.com.



Carroll County Amateur Radio Emergency Team & Radio Club

Address: Carroll County Amateur Radio Club P.O. Box 2099, Westminister, MD 21158.

Repeaters: 2M: 145.410-, 70cm: 449.875, 6M: 53.090.

BBS: 145.03 & 446.075.

Nets: Tuesdays 8:30 p.m. local CARET Net 145.410-. Wednesdays: 8:00 p.m. local, Mason Dixon Swap Net 145.410-.

Club Meetings: Business meeting Second Monday of the month at the EOC in Wesmnister. 7:30 p.m. local, talk-in: 145.410-
Program meeting: Last Wednesday of the month at the EOC in Wesmnister. 7:30 p.m. local, talk-in: 145.410-.

The Gaithersburg Hamfest was well attended by CCARS members, Shep WB3KIC, Ham N3DTZ, Steve W3ETX, Bree N3YAJ, Fred K3PUT, Colin N3UBI, Joe K3UAL, Gus, KE3NY,

Two more events that enabled members of the Carroll County Amateur Radio Club to sharpen their emergency preparedness skills during

September. The American Diabetes Association Walktoberfest on the 13th had KE3FL, N3JIA, N3SB, N3RKI, N3YIM, N3UN, N3MNM, WA6IEL, W2GLN and XYL, N3XLY, and Jeannine providing communication support at the rest stops and along the route. Then the next weekend, the American Lung Association - Maryland Wine Festival Bike Tour provided N3XLY, N3MNM, N3TOT, N3SOK, WA6IEL, KE3FL, N3PPO, N3JIA, N3UN, N3SB, and N3ZVV with an opportunity to get in some practice on a larger scale.

The Bike Tour involved us with working with the Carroll County REACT Team, and the use of 10 meters as well. Steve N3SB had a converted CB radio in his car. Doug WA6IEL used his Kenwood TS-50, and Phil KE3FL set up a portable station on 10 meters. The K3PZN 2 meter repeater work very well as the primary net frequency and the 10 meter sub net made for a nice administrative frequency to remove some of the communication load off of the primary net. An after action review indicated that there were some communication procedure and information problems. But that is why we do these events - to practice for the "Big One". The customers for both of these events thanked us for our support, and remark how they would not have known what they would have done with out us. THAT is what we work for!

Now, the SET is coming up on October 4. Here is an opportunity to practice handling volumes of formal emergency health and welfare traffic. The year is not over yet! The Sweepstakes is in November. Yet another chance to get together for fun and training. That will make every month since April that the CCARC has participated in some type of an event that we were able to learn and have fun learning!

Don't forget the Mason/Dixon Computer and Hamfest on Sunday, October 26. We need help Saturday evening to set up, Sunday morning with parking, and Sunday evening with clean up.

From the Field Organization Section Forum. KE3FL and KG6TU gained PSHR again. WX3F,

N3TOT, and N3SOK are acknowledged for OES reports.

73 de WX3F



Central Maryland Amateur Radio Club

Meetings: 4th Friday of the month at 7:30pm, at the Doctors Community Hospital, 8118 Good Luck Road, Lanham, MD (no meeting in December). Enter in the Outpatient Testing entrance across from the Emergency Room entrance behind the main building. Take the elevator to the 5th floor and exit left, the meeting room (DSE Room) is on the right.

Repeater: N3EZD/R 145.230 Mhz. Users must transmit a 110.9 Hz CTCSS Tone for full area coverage. No tone necessary for local coverage.

Net: Every Tuesday, 9:30pm, 145.230 MHz repeater.

Mailing Address: Central Maryland Amateur Radio Club, P. O. Box 788, Greenbelt, MD 20768-0788.

Information: Jim Tilton, Pres. - KD3JA, (301) 552-0012.)

Web Page: <http://www.erols.com/jctilton/cmarc/>.

The CMARC booth at the Greenbelt Labor Day Festival featured SSTV and Weather FAX demonstrations, Amateur Radio Radiograms and a special event station. The special event station logged 198 contacts in 41 states, 5 Canadian provinces and 10 other foreign countries (mainly in Europe). An attractive special event certificate was mailed over 60 hams who supplied an S.A.S.E. Thanks to NV3G, N3BXW, N3YDY, N3JWT, KD3JA, W3VP, N3ODK, N3NCH and Ken Voigt for their assistance throughout the weekend. A special thanks to the cherry picker crew provided by the City of Greenbelt for their assistance in mounting our G5RV antenna high above our booth. CMARC's provision of communications for the

Greenbelt Labor Day Parade was coordinated by parade marshal Leah Choper/N3RLN. Assisting her in communications were N3BXW, NV3G, N3NCH, W3VP, N3YDY, N3ZCF, N3UIO, N3JWT, N3ODK, KD3JA, N3SJD, N3IBO, N3SSC and WB5LPN.

CMARC was represented at F.A.R.FEST '97 (held September 7 at the Montgomery County Fairgrounds) by N3RLN, N3ODK, N3UEZ and KD3JA, who served as ticket sellers Sunday morning, and by N3BXW, who helped out in various ways throughout the entire weekend. Thanks.!

CMARC is again offering a free Novice/ Technician License Class this fall. By the time this article appears in *Auto Call*, we will have progressed through most of the Novice material in the Friday nights classes, which will continue through December, with the exception of club meeting nights. Classes are being held at the club meeting location, with CW practice at 7:00 PM and theory presentations starting at 7:30 PM. Examinations (under the auspices of the Laurel VEC) will be given Nov. 21st and Dec. 19th.

Elections were held at the October club meeting. The slate of officers nominated were:

President: Jim/KD3JA
Vice-President: Roger/W3VP
Secretary: Tom/N3BXW
Treasurer: Tony/N3JWT

The only non-incumbent on the slate is Tony/ N3JWT. The current treasurer, Leah/ N3RLN, is moving to Cabin John, MD.

73 de Jim/KD3JA



Reminder - all submissions for



are due no later than
the 1st of the month prior to the
month of publication!!



Dulles Amateur Radio Group

On-the-air meeting: Tuesdays at 8:00 p.m.
on the Dulles Airport repeater.

Repeater: N4FSC, 145.310 (Dulles)

Mail: Dulles Amateur Radio Group, P.O. Box
5073, Herndon, VA 22070-1964

Information: Mike Weber, WB8RDN, 703-
450-2304, weberann@erols.com.

Packet: N4WJN BBS 145.030.

Web page: [http://www.geocities.com/
SiliconValley/Way/8873](http://www.geocities.com/SiliconValley/Way/8873).

Email: dulles_arg@geocities.com

The Dulles Amateur Radio Group (DARG) is a family-oriented ham radio club affiliated with the N4FSC repeater in Dulles, VA. Membership is open to all, and the club holds several social and operating events each year. Dues are \$20/yr for your entire family; members have access to the repeater's autopatch, and dues include a 1 year subscription or renewal to AutoCall. All area hams are warmly invited to join our information net on Tuesday evenings at 8:00 PM on the N4FSC repeater, 145.310-.

Members of DARG and SPARC provided communications support to the first Mock Move of the Loudoun Hospital Move project on Saturday 23 August. Twenty amateurs from DARG and SPARC volunteered their Saturday morning to assist with the first of two "test runs" leading up to the Patient Move Day exercise in October where up to 80 patients of all types will be moved from Leesburg to the brand new Lansdowne Loudoun Hospital facility. Thanks to the following amateurs who participated in Mock Move 1: KD4ITN, KR4FH, W3EMH, KD4DEI, KD4ITM, KE4KGN, WB8RDN, KE4OKY, KB2BCG, N4WJN, W3GX, KF4BTJ, W1HRE, KA1LM, KD4RSL, KS4IL, N4BPI, N4KWP, KD4YIJ and KE4JEQ.

Twenty three members from the Dulles Amateur Radio Group, Sterling Park Amateur

Radio Club and other area amateurs supported the Loudoun Hospital Mock Move 2 exercise on Saturday 20 September 1997. On 18 October, all patients and support equipment will be moving to the new Loudoun Hospital at Lansdowne.

Participating in Mock Move 2 were: Mike KD4ITN, Mark KR4FH, Gary KD4SRX, Tom KB2BCG, Brad KD4ITM, David KE4KGN, Mike WB8RDN, Dave KE4OKY, Norm KD4LTH, Lee KE4JEN, Tom WB8ZRP, John WB4YMT, David KD4YIJ, Dean KE4JEQ, John W3GX, Bill W1HRE, Steve KA1LM, Jim KD4GSX, Tom KD4GSY, Dana W4DFK, Bill KS4II,

Ray KD4RSL and Mike N4FXP. (there were more Mikes and Davids than Bills this time around with Toms and Johns gaining rapidly - although many more Bills are scheduled to return for Patient Move Day when the Bills will again rule supreme!) More amateurs are expected to join this effort on Patient Move Day.

After the event, Hospital officials held a critique where the results of the Mock Move were discussed. Hospital officials applauded (literally) the efforts and support that DARG and SPARC are providing to this project saying the "amateur radio operators are wonderful". It is nice to be appreciated and to provide badly needed public service support in Loudoun County.

Preparations continue for Patient Move Day, on October 18th. This is an excellent opportunity for hams to show what Ham Radio can really do for the community. The Loudoun Hospital officials continue to express their sincere appreciation to DARG and SPARC for the communications support.

Four members from DARG (KR4FH, KE4OKY, KD4SRX and WB8RDN) supported the FARfest by manning the gates for a four hour period early on that Sunday morning. Thanks also to N4PDY and N4FSC who manned the DARG table in the fleamarket. Thanks to all who helped. DARG held an ARRL/VEC exam session on

Saturday 16 August. Six people attended which resulted in three new Hams. Thanks to the Volunteer Examiners who turned out: K4UW, KD4ITN, WA1ZXX, KR4YS and WB8RDN. Thanks also to KD4SRX who assisted with room set up duties. The next DARG sponsored ARRL/VEC exam session will be 15 November 1997.

73, de Mike, N4PDY



Goddard Amateur Radio Club, Inc.

Meeting: Third Wednesday of each month at 5:00 p.m. at the Goddard Amateur Radio Club station, Soil Conservation Road, Greenbelt, MD, across from the Soil Conservation Road gate of the Goddard Space Flight Center. This road may be accessed from either Route 193, Greenbelt Road, or Powder Mill Road.

Net: Information net is held every Thursday evening at 9:00 p.m. local time. All amateur radio operators are welcomed. Net Control is Don Bennett, W3MIK

Repeater: 146.835 Mhz.

Information: Jim Blackwell, N3KWU, (301) 286-4534; Vikki Gigante-Hueber, KA3PVS, (301) 249-2609.

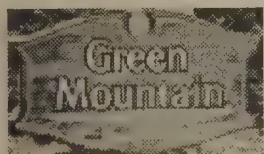
As usual, the Goddard Amateur Radio Club members are staying busy. A fun time was had by all at the open house which was held at the club station on the third Wednesday in September. A delicious catered picnic dinner was enjoyed by all during this social gathering to get current members together as well as introduce new members to the club. Thanks to Hugh O'Donnell and Carolyn Keydash for organizing this event.

WA3NAN goes high tech with the addition of a solid state transceiver for shuttle retransmission. This is being tested out on the MIR Docking mission.

The club repeater, 146.835 has been brought down from its normal perch atop the water tower on the NASA Goddard facility and has been relocated temporarily to the club station. This is due to the fact that sandblasting and repainting of the water tower are currently in progress. So, if you cannot hear us as well as usual, this is the reason why. Thanks to Joe Grzesik for organizing shuttle retransmission for the MIR mission. Please bear with us during this transition stage.

Vikki, KA3PVS, has resigned as shuttle retransmission director after ten years due to increased business and family commitments but will continue to assist with missions. Thanks to everyone for their patience and support over the years. Please continue to support this wonderful program at GARC in order to bring shuttle retransmission to the amateur radio community for many years to come. If you would like to volunteer for this effort as a retransmission volunteer, please contact Vikki at (301) 249-2609. Have a great month!

Vikki, KA3PVS



Green Mountain Repeater Association

Repeaters: *146.61 Cheverly, *146.88 Greenbelt. *(Autopatch).

Information: Don Tinari, W3RYQ, (301) 262-7062.

Mail: P.O. Box 523, Bowie, MD. 20718.

E-mail: mgreen@erols.com.

Socials: Luncheon, 1st Saturday of each month at 11:30 A.M., Laurel Centre Indoor Mall Eatery.

Nets: 146.88 - Old Gent's Net, 9:30 A.M. and 6:30 P.M. every day. Washington Adventist Amateur Radio Association Net, every Thursday at 9:30 P.M.

OUR NUMBERS ARE UP!

GMRA has increased its membership to 248 as of September 16, 1997, thanks in part to a special membership drive. To all who have recently joined, and to all members, thank you for making GMRA one of the best repeater groups in the area since 1971.

REPEATER/INTERNET ACTIVITY UPDATE

Repeater/Internet contacts have been made to amateurs in Japan, Hong Kong, Thailand, India, Europe, Hawaii as well as to numerous repeaters throughout the lower 48 and Anchorage, Alaska. The operation continues on a part time basis; however, a specific schedule is under consideration as well as leaving the system connected for longer periods of time. We will keep you informed.

A DOUBLE HEADER WIN

As predicted in the last GMRA bulletin, Samson, KF3AG, (formerly N3TJU), passed his Extra class license in August. The previous day he celebrated his 15th birthday, completing a double header win! A vanity call change is pending.

GMRA REBATES FROM ARRL

Because GMRA is an ARRL Affiliated Club, we are eligible for membership and renewal rebates. For each NEW ARRL membership submitted, GMRA can receive \$5; for each RENEWAL, \$2. With 248 members this can add up to a healthy addition to our treasury. Here is what you can do to help us when it is time to renew your ARRL membership or joining for the first time.

Complete the ARRL form as normal.

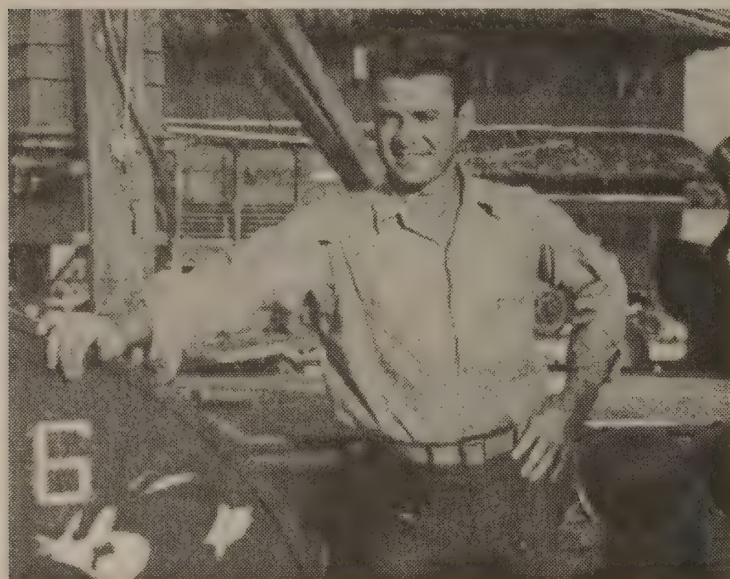
* Make your check (for the full ARRL membership amount), payable to GMRA.

* Mail the form and the check to GMRA, Box 523, Bowie, MD 20718

Our Treasurer will, in turn, make out a check to the ARRL, deducting the rebate and send it along with your form to ARRL headquarters. You will receive your membership/QST subscription and GMRA will receive its rebate in support of your repeaters. Thanks.

THEY WHO ALSO SERVED

The movie star quality of one of GMRA's best, is reflected in the photograph below.



Serving with the U.S. Navy's PT Boat Squadron #9 (Kelly's Kids), he was stationed on the Philippine Island of Malamauii, and participated in the Battle of Borneo during World War II. He was later awarded the following medals: Liberty of Philippines, Asiatic Pacific, American Theater and the Victory Medal. Sorry ladies, he is not available having been married to a wonderful woman named Helen for over 40 years.

In case you haven't guessed, you are looking at Ken Easton, N3HLY, as he appeared in 1945. He is now a grand "Old Gent" and can be heard on the Green Mountain Repeater Association's (GMRA) 61 and 88 repeaters. We thank Ken for serving his country as well as for his many years of work for the FAR, GMRA and PGWA.

SILENT KEY

I regret to report that W3AGO, Robert A.

Cannon, (1923-1097) became a silent key in September. Bob occasionally joined in on the Old Gent's Net and the few times I talked to him, our conversations were always interesting and most enjoyable. He was always well versed on a number of topics. He will be missed. GMRA extends its sincerest sympathy to the family.

WITH SYMPATHY

Shortly after John and Debby Williams, N5SJZ and N5SKA respectively, left our area to reside in Utah, word was received that John's father passed away unexpectedly in Tennessee. On behalf of the GMRA we want to extend our sincere sympathy.

John and Debby were not only a mainstay of our organization for many years, but good friends as well. We want them to know that we are here for them, regardless of the miles between us.

John was instrumental for many new GMRA innovations such as the talking S meter and connection of the repeaters to the Internet. His efforts remind me of the poem by the German poet and dramatist, Goethe, (1749-1832): "Whatever you can do, or dream you can, begin it. Boldness has genius, power and magic in it"

73 de Murray K3BEQ



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Historical Electronics Museum Amateur Radio Club

Meetings: Second Thursday of each month, 5:30 PM, In the Historical Electronics Museum, West Nursery Road and Elkridge Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).

Club Station: W3GR.

Info: Herman Turner, WK3P (410) 647-4178.

Mail: P.O. Box 746, Mail Stop 4015, Baltimore, MD 21203.

Street address: 1745 W. Nursery Rd., Linthicum, MD 21090.

Notice: W3GR and the Museum will be closed from October 25 through November 6, 1997.
BAARS Members Welcomed

The major event of the September meeting was the introduction of the new members from the Bay Area Amateur Radio Society. The technical session consisted of a hands on review of the W3GR station including a review of the TBL-13 and other station features.

W3GR Open House Operations

On Saturday September 13, 1997 the Museum was open as part of the Northrop Grumman employee Open House. W3GR operated all day with demonstrations of SSB, ATV and CW. It was a good opportunity to give many people a positive first look at amateur radio and the interest shown by young visitors was very encouraging. Many thanks for the members who manned the station.

Training Programs

The student enrollment for both the Hands-on-Hamming and the Upgrade to General training classes has been disappointing. The start of the General Upgrade Class has been postponed a few

weeks to announce it more broadly. Both classes will be postponed until a reasonable minimum number of students is reached.

Big Military Transmitter Progress

Some new final amplifier tubes have been located and installed in the BC-610 with only a slight improvement measured. The plate voltage is now suspect and work on the HVPS is the current target. The TBL-13 seems to be fine most of the time but still occasionally has an intermittent chirp.

Antenna Party

The work team for the GAP Titan successfully mounted it on the roof of the Museum on Saturday September 20, 1997.

The team included Gary Ryan, W3GMY; Ernie Farkas, K3CBW; Ed Habicht; Cam Marie, W3EPR; Sammy Bryant, KB(RPB and Bob Gardenghi, K3FQP. From 80M through 10M W3GR now has at least one solid antenna capability on every band.

Pearl Harbor Day Plans

This year HEMARC will operate a special event station to commemorate the attack on Pearl Harbor. The station will use the call W2W from 1500Z Saturday December 6 until 2100Z Sunday December 7.

The general class section of 20M SSB & CW and the General/Novice sections of 40 CW and SSB as well as other bands will be used.

For two 32 cent stamps and a QSL, a certificate will be issued. The certificate will include a picture of the antenna of the "Pearl Harbor" Radar. This antenna is on display at the Museum and was one of the type made in Baltimore which was on the first radar to "see" the attacking planes approach Pearl Harbor.

73 de Chip, W4PBG



Laurel Amateur Radio Club

A Volunteer Examiner
Coordinator

Meetings: 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md.

Social: 2nd Wednesday of each month, except December (Call for directions).

Nets: 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.

Mail: P. O. Box 3039, Laurel, MD 20709-0039

Exams: 3rd Saturday of each month, to pre-register contact: John/WB3GXW (301) 572-5124 after 6 P.M.

Information: Mark/N3NTQ (301) 572-2385 or Roger/W3LM (301) 776-6961.

Web Site: <http://www.webtrek.com/~laurel/org/larc>. E-mail: laurel@webtrek.com

Here it is, the end of another busy month for the Laurel Amateur Radio Club.

First, we started our annual Novice/Tech class. We had about 27 adults and youngsters show up the first nite.

The class is held at our clubhouse, 384 Main Street, and will run through November 24, when we will have a test session. It is open to the public so if you want to upgrade or just take an element, you're welcome to come. The Laurel VEC still doesn't charge for our test sessions.

We got confirmation that we won the MD/DC QSO Party for the second year in a row. We added 440 and 6M to our bands this year. No club has ever won the event three years in a row, so if you want to see that tradition upheld, I suggest that some of you clubs start planning for the competition. It is an enjoyable group effort.

At our regular meeting we were treated to a real dichotomy in amateur radio. George Pynn/

W3PPB brought some ancient equipment for a demo in the parking lot (it involved a crystal with a cat's whisker) and Bob Bennett/W3WCQ gave a talk and show and tell on ATV (amateur television).

It's interesting to see where our path has led (from crystal and spark gap to ATV) and to speculate where it will eventually take us.

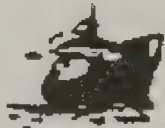
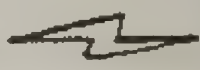
Our final meeting before our club holiday banquet in December will be at the Historical Electronics Museum in Linthicum. After a brief business meeting and election of officers, we will take a tour of the facility.

Our premier public service event of the year was held Saturday the 27th. That is the Pallotti Cross Country Invitational Track Meet. The weather was exceptional, plenty of help showed up, and injuries to the 900 runners were few and minor. We shadow the race director and position ourselves around the course to keep an eye on the runners. A great opportunity to practice directed net operations.

In October we have the Riverfest in Laurel to help with and also the CROP Walk. We plan to pass some traffic for the statewide SET from the river. We will also hold a building session to construct j-pole antennas made from copper pipe.

73 de Jim/WI3N

Chapter X

 *Society* 
of Wireless Pioneers

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OF PROFESSIONAL RADIO TELEGRAPHERS

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The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Thursdays - 7:00 P.M.
St. Paul's Church, 10401 Armory Avenue,
Kensington, Maryland 20895.

Nets: 1st and 3rd Thursdays at 9:00 P.M. on
145.45 MHz (PL-5A).

Repeaters: 444.100/449.100 MHz (PL-2A),
145.45/144.85 MHz (PL-5A).

WWW Address: <http://mvhsl.mbhs.edu/~fwright/MADRAS.html>

Mailing: P. O. Box 2468, Wheaton, MD 20902

Information: Leo Boberschmidt KA3TGY
(301)946-3738, Jean Blacik N3PLC (301)
984-6114.

For the past 12 years we have been meeting in the WKYS conference room at NBC in Washington, DC. Unfortunately, WKYS and its affiliate radio stations left NBC and moved into their own building in Lanham, Maryland - way too far for our group to travel to.

After checking out several meeting locations, Bob Price N3NNQ, found a large room available at St. Paul's Church in Kensington, Maryland. It is an ideal location and the room is as large as the one we had at WKYS, with plenty of parking for everyone. Many thanks, Bob, for finding us a "new home" for our MADRAS meetings.

Our September 11th meeting (in our new meeting place) was devoted to planning our 1998 schedule. Since we do not meet during the summer, except for planned social events, we usually make our first fall meeting a planning session. We outlined topics we wanted to invite guest speakers for, special events we want to do, plus building projects we would be interested in. All in all, it was a good planning session.

At our September 25th meeting we viewed a film on the various communication modes used

by hams around the world, with a discussion following the film.

Just a reminder that we only have one meeting in November since Thanksgiving always falls on the fourth Thursday.

Speaking of Thanksgiving reminds us that Christmas is only a month away, so its time to start planning our annual Christmas Dinner. We would welcome some new ideas on favorite restaurants that we might try for our dinner this year. Please write them down and submit them at the next meeting.

HAPPY THANKSGIVING!!!

73 Jean-N3PLC



The Maryland Mobileers Amateur Radio Club

Meetings: First Friday of each month at the AA Co. EOC, Crownsville State Hospital grounds Crownsville, Md.

Repeaters: W3CU (PL 107.2) - 146.805 & 449.125 both in Millersville, Md. W3VPR - 442.3 in Annapolis - Joint usage AARC.

Social Breakfasts: 15 days (3 Saturdays) after club mtg, at Rick's Cafe in Odenton at 9 AM.

Mailing: MMARC, P.O. Box 935, Severn, Md. 21144

Nets: 2-Meter on 146.805 @20:30 local time every Monday, 10-Meter CW practice net @19:00 Monday on 28.230 MHz.

Information: Brian Fitzpatrick, N3QXW (President). Bill Ziegler KA6TYT (410) 987-2384 (e-mail: Zzziggy@aol.com).

Web: <http://www.erols.com/wb3v/mmarc/>

MMARC has NEW CALL SIGN - 'W3CU

Greeting to all from the Mobileers! If you have listened to our repeater lately you might have thought you were on a wrong frequency when you

heard the identifier. The Mobileers Voted to Change our call sign to W3CU. Not only will it be a little shorter to send during Field Day, but the main reason was the meaning the call has to our club. I will let Ken Boyer, W3USN, tell you about the history of it.

Some of you may be wondering why MMARC chose the call W3CU. I've been a member of the Club since 1976 so hopefully this will explain why. When I first made contact with the Club in 1976, 2 FM meter repeaters, were still something of a novelty. Frequency coordination for repeaters was just coming in and you were lucky if you had a VHF radio with more than two sets of crystals. In those days, you usually had one set for simplex, and another for your club's repeater. The really fortunate had a rig that had the capacity for five or six channels!

As ancient as this seems, imagine someone talking about amateur spark radio in the 1910's and 20's. They would talk about winding their own coils and other mysteries. They told how the amateur community was relegated to the "useless" wavelengths of 200 meters and shorter. They told us about how World War I brought an end to Amateur Radio. Then, on October 1, 1919, Amateur Radio was reinstated.

One of those early hams was Royal Mumford. Royal and his brothers, Bill and Hal, were licensed amateur operators. They lived in Vancouver, WA. The call of their station was 7CU. This was in the days before a W or K was used in US Amateur Calls. As 7CU in 1919, each obtained Commercial Licenses, 2nd grade or higher and as a result of incentive licensing were issued the "Special Station" call 7ZJ. This enabled them to operate on wavelengths of 200 and 375 meters. On January 15, 1922, they made contact with 5XB in College Station, TX. on 375 meters. The nearly 2000 mile path may be a world's record between two amateur spark stations.

Royal was born in May 1898 in Utah and as a one year old, moved to Washington State with his

parents. Royal left high school to join the Navy during WWI. He became a radio operator. After the war was over, he returned to high school to finish his studies. After graduating from high school, he homesteaded some land on the slopes of Mt. Saint Helens.

After living on the land the required amount of time, he sold the property to finance his college education at Willamette University. After graduation, he taught science and math in public schools. He was married in 1926. All through college and his teaching, he remained active in Amateur Radio.

He also remained in the Naval Reserve. When WWII started, he was recalled to active duty and given a commission. The Navy sent him to MIT to learn about radar. After that schooling, he was assigned to Mare Island as Officer in Charge of the US Navy's Radar School. In 1944, he was transferred to the Navy Post Graduate School in Annapolis as an Instructor. When NPG was moved to California, Royal was transferred to the Naval Academy. It was during his tenure at the Academy, shortly after WWII that the call W3CU was issued to Royal. He taught Electrical Engineering ("Wires" for those who know) at the Academy until 1950 when he suffered a heart attack and was medically retired from the Navy. He recovered and went to work at Westinghouse for 10 years, retiring in 1960.

Royal was a fine gentleman who always had time to talk about the early days of ham radio. He began the "Queen Bee" Net, a nightly get together on 15 Meter SSB for Annapolis area hams. It was just a time to chat with friends on the radio and maintain contact. Royal attended as many meeting of the Mobileers as he could in his later years. Royal Mumford, W3CU, one of Amateur Radio's early pioneers became a Silent Key in 1992. Those of us who knew Royal still miss his wisdom and friendship.

When I made contact with Will Mumford, Royal's son to let him know his Dad's call was

back on the air he was thrilled. He said, "I'm sure Dad would be pleased." I hope the Club stays active for many years and keeps the call W3CU active. 73 - Ken, W3USN

Thanks for sharing that with us Ken. That's it for this month. Please note our club meeting, breakfast and net times. We would be happy to meet you and share some good "Ham stories"!! Don't Hesitate to use our repeater if you are in the area.

73, Bill/KA6TTY



Montgomery Amateur Radio Club

Meetings: 1st and 3rd Wednesdays of each month at 7:30 p.m., Executive Office Bldg, Montgomery Co. Govt Center, 101 Monroe St, Rockville. Park in underground lot G-2.

Repeaters: 146.955 (-600) & 442.750 (PL 156.7) in Rockville.

Club Net: Every Sunday night at 7:30 PM, on the MARC repeater.

Internet: <http://www.dsport.com/marc/>

Mail: MARC, P.O. Box 611, Gaithersburg, MD 20884-0611

Information: Jeff - KZ3F (301) 258-0112

Training: Ms. Rocky Jones (301) 216-5210

Another FARfest joins the history books. Many MARC members attended the FARfest in Gaithersburg. As always we provided a talk-in service to help people find their way from near and far.

Thanks to those who provided the talk-in this year. The "Test Before You Invest" table to check out equipment before you purchase was a big success as usual. About 25 pieces of equipment were tested and 25% were rejected. This was the second year of providing this service. We plan to make next year the third.

The table also served as a gathering point for MARC members and friends. About ten or so Old Buzzards, aka "Old Buzzard's Radio Club" stopped by to visit. Many thanks to Farrel N3PPR for organizing and to Larry W3SFY and Patrick N3MIT for doing the testing.

The Fall Novice-Technician classes began on September 30 and end on October 30 with exams. Last year at the '96 FARFest I handed an info sheet on the MARC Club entry level classes to "John". A couple of months later, I became N3YIF's "first contact". This morning while shopping in the grocery store I became his "first contact" with his new call sign. This time he is AA3QC. Way to go, John.

Don't forget to check in to the Sunday Night Net at 7:30 on 146.955. In addition to discussions of our Club's events, the net also has a technical help and buy/swap/sell segment along with the Amateur Radio NewsLine audio broadcast. Members, nonmembers, mobilers, all are invited to join the net. We need someone to co—coordinate?? the net with N3QFZ Todd. Because of Todd's demanding work schedule, he may not always be available to line up the net controller for the week. Give him a call if you can help.

An overflow crowd enjoyed a fantastic presentation on APRS given by Bob Bruninga WB4APR at the September 17 meeting. Bob kept everyone's undivided attention with the fascinating discussion AND the packet station set up in the room with an overhead projector. We tracked Bob on the portable APRS set up in the meeting room by Jay KA3ZMW, as Bob drove in to the lot with his mobile packet station. He showed us how to track balloons, runners, autos, planes and anything else that moves and can have a small transmitter attached to it. Thanks, Bob, for the exciting presentation. Bob was also a speaker at the Tmarc conference in Baltimore in October.

W3KIT Komkit (prev. N3XLW) invites us all to check out his home page on the internet: <http://www.exceltec.com/komkit>. Lots of HAM radio

items to be found there.

A good time was had by all at the Gaithersburg "Old Towne Day" on September 21st. Many visited our HAM radio exhibit where we had two stations set up where visitors could make a contact on the air themselves or observe our operators in QSO's. Literature was available for visitors to take home to read. In addition, MARC members were available to answer questions.

Bruce, N8XTX writes "After building a transverter, borrowing an antenna and buying some VHF quality cable, I found that my construction technique is getting rusty. My transverter was deaf as a post. Hitching up my optimism, I managed to get on 2m and 6m. Operating intermittently, I was able to make 7 grids and 13 contacts on 2m and 5 grids and 7 contacts on 6m." Well, Bruce, even though you didn't set the world on fire, you made 20 more contacts than a lot of other people (including me).

73, Peggy N3PPG



Mount Vernon Amateur Radio Club

Meetings: Second Thursday of each month, 7:30 p.m. (except December) Mt. Vernon Governmental Center, 2511 Parker's Lane, Alexandria, VA 22308.

Nets: Every Tuesday at 8:30 p.m. Starts on 2 meters then moves to 10 meters on 28.405 MHz.

Repeater: WD4PDP 146.055 input / 146.655 output.

Mailing: Mt. Vernon Amateur Radio Club(MVARC) c/o Joe Salemi KR4CZ, P.O.Box 7234, Alexandria, VA 22307.

Information: Chuck W3HSW, 703-660-6623.

WEB Site: <http://www.netcom.com/~jsalemi/mvarc.html>

The Club held its first annual picnic on August 23, with the event being an outstanding success. Everything ran smoothly allowing everyone to have a good time. The weather was great, the covered dishes represented a broad spectrum of delicious food, and the dogs, burgers and chicken prepared by chefs Glenn, W3OCC, and John, WQ4L, were enjoyed by all. A job well done and a round of thanks to the event planning, preparation and operation staff.

Several MVARC members participated in the annual Simulated Emergency Test also held on August 23.

A new feature at the monthly meeting is a brief show and tell presentation by anyone having something of interest to share with those attending. At the August meeting, Tom, N4BV, showed the group a motor generator set made from a Weed Wacker motor and an automobile alternator.

Bob, N4ENP, showed how an economically-priced cellphone holder could be adapted to HT use. John, WZ4A, demonstrated his antenna analyzer and checked the resonant frequency of several of the rubber duck antennas in the room. Some of the "Two Meter" antennas peaked at around 165 MHz!

Many members attended the Gaithersburg Hamfest, where the Club performed its annual task of manning the information booth. A small tailgate table provided an outlet for the sale of a number of treasures.

The Elmer program is meeting on the fourth Saturday of the month at the Mount Vernon Government Center, in the same room used for the Club's monthly meeting. The session follows the monthly breakfast, starts at 1030 and lasts about two hours. Recent get-togethers featured cw operations, basic soldering skills, HT operations soldering and construction techniques, and use of multimeters. Upcoming sessions will include packet operations, QRP and other topics suggested by the group. The sessions are open to both

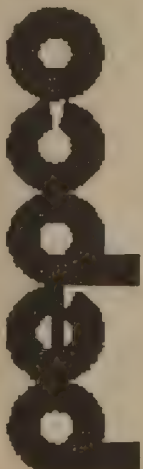
members and non-members. For more info call Frank, AA4ZS, at 971-9304 or Chuck, W3HSW at 660-6623.

Explorer Post 80's Scouts and leaders used radio to support the annual Hike in October, while MVARC members provided communications for the Franconia Days celebrations. MVARC members also supported the Marine Corps Marathon with both voice and packet operations.

On a recent Club net, Ed, KE4SKY, reported the revised ARES simplex frequency assignments. The new frequency for southeast Fairfax County (the Mount Vernon area) is 146.595. In addition to communications during emergencies, this frequency will be used by the Club at hamfests and other special events. Other local area ARES simplex frequencies are: 147.495 for inside the Beltway; 147.435 for the area from the Beltway to Route 50 and for the area south of Route 50 the frequency is 146.565.

The Club's Christmas Party committee is planning this year's upcoming event. Last year the celebration was held at the Old Country Buffet on the Club's regular meeting night. Almost 60 persons attended, and with the exception of being a little crowded, a good time was had by all. The Committee is addressing the space problem so this year's event won't be quite so congested. More details will be announced at the upcoming meetings and on the Net. See you there!

73 de Chuck, W3HSW

	Michael C. Martin
	N3RWF
	Interference Investigator
	<i>ESO&C Substation Operations & Test-Electronics</i>
	8400B Old Marlboro Pike Upper Marlboro, MD 20772
	Office/Fax 301 967-5230 Pager 202 530-3731 Email MCMARTIN@PEPCO.COM



National Capitol DX Association

Meetings: Feb, Apr, Jun, Aug, Oct and Dec. at a member's home. Contact the Secretary (Rick Murphy, K1MU) for details.

On-the-air: Every Sunday at 8:30 PM on the 147.000 repeater. All are welcome!

Information: Rick Murphy-K1MU (703) 280-2637 or Leo Boberschmidt-KA3TGY (301) 946-3738.

DX Is Back: Not that it ever really went away, but with the VK9-Willis Island, ZK1-North Cook, and K7K-Kure Island Pacific operations recently completed, we can definitely say that propagation is on the rise. The doldrums of the bottom of the solar cycle are behind us once again and we are starting to see more DXpeditions. Should make for a better Fall DX season than we have had for a while. Happy DX hunting to all.

The Potomac Valley DX Spotting Network, Inc. [PVDXSN] is a PacketCluster DX information system serving the DC/Maryland/Virginia area. Want to see real-time DX spotting, DX information bulletins, and other DX information? Consider looking into the PVDXSN. Fire up your TNC and connect to one of the following network nodes:

K3NA 145.63 MHZ [Frederick, MD]
W3LPL 145.59 [Glenwood, MD]
KE3Q 145.57 [Bowie, MD]
N3RR 145.51 [Rockville, MD]
N4OHE 145.71 [Mt. Weather, VA]
WR3L 145.61 [Baltimore, MD]

NCDXA holds a weekly Sunday Night Meeting On The Air. Want to keep up with the latest DX and club happenings? Stop by each Sunday evening at 8:30 PM local time on 147.000 [-] to hear NC3DX On The Air. Everyone is welcome to join in.

73 till next time de Leo - KA3TGY,
NCDXA President [leob@erols.com]



Potomac Valley Radio Club

Packet: K3MQH 145.63, K3NA 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.710 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.

Web: www.pvrc.org & www.pagesz.net/~pvrc

Reflector: pvrc@pagesz.net

Information: Rich Boyd, KE3Q, (301) 464-8014, rboyd@capaccess.org

PVRC is a contest club with 604 members. There are a total of 271 active members in south central Pennsylvania, Maryland, the District of Columbia, Virginia, Central and western West Virginia, north central North Carolina, and most of Delaware. In cases where a contest has a club competition category, individuals marking PVRC on their log compete for individual awards and contribute to the PVRC aggregate score.

If you are interested in either HF or VHF contesting, please get in touch with us and find out what is needed to become a member. Mandatory dues have been discontinued. You are welcomed to visit one of these regularly schedule meetings, or other meetings announced via the packet cluster. However, it is recommended that a visitor check beforehand to confirm the date and time of the meeting and obtain any specific directions.

The Central meeting will be November 10th (2nd Mon) at 8:00 pm in Northern Virginia at a site to be announced. There will be election of officers. Rich Boyd, KE3Q, 301-464-8014.

PVRC/NC meets Nov 6th and Dec 4th (1st Thu) at 6 pm at Luna's Restaurant, 3227 Aventura Ferry Road, Raleigh, NC. Pete Soper, KS4XG, 919-362-4635.

The Tidewater Colony meets on November 18th (3rd Tue) with the VA DXCC at the China Palace Restaurant corner of Newtown and Kempsville Roads in Norfolk, VA. Don Lynch, W4ZYT, 804-486-0728.

The Northwest meeting is November 18th (3rd Tue) at 8:00 pm at Legends Restaurant in the Hampton Inn, intersection of Route 85 and I-270 in Frederick, MD. Tyler Stewart, K3MM, 301-414-5444.

PVRC/BWI meets for breakfast every Wednesday at 7:30 am at Basil's Deli Port, ElkrIDGE Landing Road, near BWI Airport. Howard Leake, W6AXX, 410-465-7008.

PVRC was the winner of the unlimited club gavel for the 1996 Sweepstakes and we are looking for another great season. In November, Sweepstakes CW is on the 1/2nd, Sweepstakes 'phone on 15/16th, and CQWW CW on the 29/30th. If you are interested in being a guest operator at a multiple operator station, please check with KE3Q.

73, Dick Wilder, K3DI
410-757-6706 wilder@clark.net



Prince George's Wireless Association

Meetings: First working Tuesday of each month, 7:30 PM; American Red Cross bldg., 6206 Belcrest Rd, Hyattsville, MD 20782.

Club Station: K3CEZ

Mailing: 4109 Kennedy St., Hyattsville, MD 20781

Information: Frank Holton - WA3ZMW
(301) 927-1245

A special meeting, instead of the usual business meeting, was held by PGWA on Tuesday, September 2, 1997.

Frank, WA3ZMW, club President was in the hospital recovering from a recent illness. His daughter, Muriel has been helping at the meetings by conveying her Dad's wishes.

Due to the lack of members showing up at the monthly meetings we have had an offer of help from Vikki Gigante, KA3PVS, Hugh Katz, KB3TB, Dave Gossard, N3DRL and John Klim, N3KHK. All of whom, along with some of our regular members showed up at this meeting.

There has been a special meeting scheduled for Tuesday, September 30, 1997 at 7:30 P.M., to set up for the upcoming SET with the ARES group.

Thanks to Vikki and the other members of the Foundation for Amateur Radio for helping PGWA in this time of need.

73's from Ken Easton N3HLY



Quarter Century Wireless Assn. Chapter #91

Meetings: Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; Noon. Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins at noon.) Informal/Ragchew Meetings: Even-numbered months.

Newsletter: Bi-monthly to all members.

Information: Dick Rucker (KM4ML), Secretary; 10426 Darby St., Fairfax, VA 22030-3603; 703-591-3279. Also on the VHF net.

VHF FM Net: Sunday 9 AM, 146.79MHz.

President Frank Haynes, W4NUA, welcomed 21 members and guests to our September meeting. Secretary Dick Rucker, KM4ML, announced our program's topic, Skywarn. Skywarn is Amateur radio's severe weather reporting network. Dick asked us each to tell an anecdote about an experience with severe weather. We heard interesting, riveting, frightening, and hilarious

stories. All helped us think about the ramifications of severe weather.

Main Program—Skywarn

Dick introduced Dan Gropper, KC4OCG, who in 1993 re-organized Skywarn in this area. Dan wrote the Skywarn manual—now used nationwide—and assembled a network of spotters, now numbering more than 1500, in the mid-Atlantic region. For this he has been honored with a public service award from the Washington Forecast Office of the National Weather Service (NWS), and a second public service award from the Director of NWS.

Dan distributed two maps to help describe our existing network. One shows the NOAA Weather Radio stations in the mid-Atlantic area. The other shows Amateur radio repeaters that support the Skywarn effort informing NWS in Sterling VA. Dan explained how Skywarn feeds real-time reports from Ham observers, through Ham nets and subnets, to Sterling. These reports consistently have proven to be valuable supplements to data obtained from NWS's Doppler radar and field sensors. In fact, most of what Hams give them—detailed localized data—is not available from any of their instrumentation.

When severe weather is expected, the Amateur radio station (yes, a full complement of HF, VHF, and UHF equipment) at the Sterling office is staffed by volunteers who collect and distribute reports from Hams. Both voice and packet are used.

Skywarn at "the top"

Dan told stories to illustrate how valuable the Mid-Atlantic's Skywarn network has become. During the blizzard of 1993, over 1000 reports were made in about 18 hours. Secretary of Commerce Ron Brown used hourly reports from Sterling to advise the White House of the latest conditions. President Clinton asked how such timely detailed reports were available; Secretary Brown told him about the volunteer ham radio Skywarn program.

The "Weather Eagle"

Fire departments, emergency coordinators, airline dispatchers, Hazmat teams, and others have become dependent on NWS and Skywarn, and were devoting personnel (who could be used elsewhere) to monitor NOAA broadcasts. So Dan designed a system that automatically stores the current weather and latest NWS "Watch" or "Warning" broadcast.

Once every minute, the receiver scans the seven NWS frequencies and locks onto the strongest modulated signal. Any Watch or Warning alert is recorded automatically along with a voice day/date-time stamp. This recording can be played back at will over a transmitter by remote control (e.g., DTMF tones from an HT), or it can be output in real time to PA systems or radios. Dan's "Weather Eagle" line of mobile and fixed-base receivers are sold by his company, Thunder Eagle, Inc., of Vienna VA.

Visit Dan's website at www.thuneagle.com or call his demonstration unit at (703) 242-7822 at any time. The tone pad codes are: 3* for current weather; 6* for last warning; 9* to hang up. NWS's website is at www.nws.noaa.gov. The Skywarn manual can be downloaded from the Virginia ARES website at www.aresva.org.

Business

President Frank announced that our November meeting will be a special one: election of officers for 1998 and a holiday party. Guests of QCWA and Society of Wireless Pioneers (SOWP) members are welcome and invited. Watch the QCWA Newsletter for details.

Treasurer Al Cammarata, W3AWU, reported that we are VERY healthy.

Auction, Eleemosynary Acts, etc.

There are several Hams who are mere children in Amateur radio (and thus do not have the extreme

experience required to join the ranks of QCWA) who so admire the high quality and ultimate knowledge of the QCWA membership that they implore us to let them attend our meetings so they can listen attentively as they sit in awe at our feet. We are so considerate and benevolent that we permit this. These apprentices are appropriately kind and subservient to us (as they should be). Two of them—who would be embarrassed if we mentioned their names—recently made financial gifts to us. Thanks to Larry Parfitt, KS4KW, and Bix Bixby, WA3WQF, for doing this.

Jack Kelleher, W4ZC, donated several items for auction. Our nondues income was \$56.50. Our Treasurer rubbed his hands gleefully!

ar 73 de Jim, W3WV, and Dick, KM4ML



Shenandoah Valley Amateur Radio Club

Meetings: First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.

Repeater: 146.22 In/ 146.82 Out.

Net: Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.

Mailing: P.O. Box 139 Winchester, 22604.

President: Fred Wetzel (W4KRT).

Info: Irvin Barb, W4DHU, 955-1745.

Internet home page: <http://www.vvalley.com/svarc>.

Greetings once again from the Shenandoah Valley! Fall has once again visited us in all its glory. As usual, the leaves were spectacular!

The weekend of September 20-21, proved to be an enjoyable weekend. "Packeteers" Fred Wetzel (W4KRT), Steve Stewart (KE4PMT), Laura Stewart (KE4QJT) and Pete Reeder (KE4SVI) kept a packet station on the air during the Festival all weekend long. The packet station

attracted the attention of many visitors. Fred and the group were more than happy to show folks how the setup worked. A few hams who hadn't been that active had their interest rekindled in their old hobby.

Overall, the event showed great promise for recruiting new hams. In addition, the "packetees" also were enable to enjoy the sights and sounds of the Festival.

Training Coordinator Godfrey Miller (N8GM) has teamed up with Fred Wetzel (W4KRT) to provide training activities for prospective hams.

As of the September 15th meeting, classes for Novice and Technician level licenses have been scheduled for November 6, 13, and 20 as well as December 4, 11, and 18. All classes will be held at the clubhouse. Start times will be announced at a later date.

In early September, former Nets Manager Bo Tanner (KE4SQZ) announced that Steve Stewart (KE4PMT) would be taking over the post. Steve asks that anyone interested in becoming a "part time" or substitute Net Control Operator get in touch with him after one of the evening nets.

Substitute Net Control Operators, are needed to fill in when the regular Net Control Operators are unable to run the net on the usual night or to be around "just in case". No experience is necessary! Instruction and guidance will be provided.

Members should stay tuned to the evening Nets for news regarding events during November and December. Especially, the Holiday party! That's the news for this month.

Current Net Control operators are reminded that Net Totals are due to Steve NO LATER THAN the first of each month. If more log sheets or monthly summary sheets are needed, please contact Steve.

73 de KE4QJT/Laura Stewart



Sterling Park Amateur Radio Club

Meetings: 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

Mailing: Call Box 599, Sterling, VA 20167.

Information: Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.

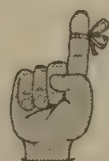
Thanks to everyone who attended our Annual Open House meeting on September 15 at the Sterling Community Center Annex. I appreciated everyone pitching in to make it a success. Special thanks to Dick Maylott, W2YE, and Kevin Stewart, KF4HGJ.

The second Loudoun Hospital "mock move" was held September 20. The event went very well and we are looking forward to the real move in October (which will have happened before this is printed).

March and the annual VA QSO party is just around the corner. Anyone with comments, suggestions or wishing to sponsor one of our awards please contact Bill Lorentz, KS4II, (703-444-6341 or KS4II@aol.com).

Thanks to our friends in the OLE Virginia Hams for already planning for us to present the 1998 contests results at their Hamfest in June. That's all for this month. I hope everyone has a wonderful Thanksgiving.

73, Bill, KS4II



Reminder - all submissions for

AUTO CALL

are due no later than
the 1st of the month prior to the
month of publication!!



The Middle Atlantic FM and Repeater Council, Inc.

Meetings: Coordinating Committee (CC) normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 147.18.

Address: P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

Web Page: [HTTP://WWW.T-MARC.ORG](http://WWW.T-MARC.ORG).

Information: President - Owen Wormser K6LEW (703)684-7682 CC Chairman - Bill Conaway W8HNT, Pager (703)741-4251. Ombudsman - Jim Erickson K3LFO (410)549-1041, K3LFO@APEXGRP.COM.

Final reminder about the annual meeting of the general membership on November 2nd at the Lee Center in Alexandria starting at 2 PM. Talk-in on 53.37, 146.79 or 224.34. Dues will be due, and we'll hold elections for next year's Board members. One of the things we plan to discuss is an up-date of the 6 Meter band plan. We'll also have a report on implementation of the revised 2 Meter band plan, and the move of the various replexers, which currently inhabit the 144.91-.99 band segment, to the 147 simplex part of the band. Several of them have already completed their move. The full transition should be completed by the end of the year. And we'll have a report on the National Frequency Coordinator's Council.

N2OCW's proposed new 447.125 repeater at Hancock, Md., is now in operation. N3KZS's 146.895 and 224.12 machines at Manchester, Md., have had their coordinations corrected, after a previous mix-up. Due to a severe intermod problem, the NVFMA has re-coordinated their 444.750 repeater at Tyson's Corner to 447.025. That's it for now. I hope your Thanksgiving is pleasant and safe.

73, Gary, W3DTN, T-MARC PIO



Vienna Wireless Society

Meeting: 7:30pm second and fourth Fridays of the month at the Vienna Community Center.

Nets: Pow-Wow nightly at 9 pm. on 28.444 MHz. Slow speed code, nightly 8:30 pm on 28.390 MHz. Vienna Emergency Net, Wednesday 7:30 pm 146.085/146.685

Repeater: K4HTA 146.685(-), 448.375(-).

Information: Kerry Kingham WA4BQM, president, (703) 691-2719; Program: Mike Steussey AE4R, (703) 281-0010.

Mailing: P.O. Box 418 Vienna, VA. 22183

September's single meeting went well with a great program by Mike Callaham, NW3V on "KISS and Telnet: Amateur Packet Radio". Mike presented a review of where Packet radio is today and where it is going. His demonstration of all the capabilities of Packet was spellbinding and held members long after the normal meeting ending time.

On October 24 we are scheduled to have a presentation on Electronic Equipment Bank, our local ham radio store.

November's meeting is our elections meeting. Some come and find out who the new board members are and what they have planned.

The Vienna Wireless Society is a general interest club, with programs and activities covering all facets of Ham Radio. We put on the annual "Vienna Winterfest" in February, we have a Field Day operation in June, we do various public service operations during the year, including communications support for the Vienna Halloween Parade.

Our repeaters: 146.685 (-) MHz, 448.375 (-) MHz. Our nets: VWS Pow-Wow Net 28.444 MHz 9:00 PM daily, VWS Code Practice 28.380 MHz 8:30 PM daily, Vienna Emergency Net 146.685(-)

Wednesdays 7:30 PM. Packet: K4HTA PBBS
145.730 MHz. Node VWSGRN, 45.730 MHz. Web
page: <http://www.erols.com/k3mt/vws>.

73, Kerry WA4BQM



Woodbridge Wireless, Inc.

Meetings: Second Tuesday of each month at
Springwoods and Chaucer, Lake Ridge, VA.

Net: Monday nights at 2000 on 147.24 with
224.78 link repeater on 147.24 MHz, 144.99
MHz simplex PL-100 repeater 444.90 MHz,
repeater 224.780 MHz, packet lan on 145.07.

Mailing: PO Box 112, Woodbridge, VA 22194

Information: Jim Stearns, KC4ZHQ (703)
670-3480.

FIELD DAY REPORT - Another successful
Woodbridge Wireless Field Day was accomplished.
Thanks to those who participated. WWI tallied up
it's highest point score (16,946), and second highest
QSO total (5021) in its 27 year history. QSO band
records were set on 20, 40, and 80 meters CW.
Congrats to all the CW ops including KA4RRU,
AA3KX, W4NF, W4RM, N3XT, K4JK, K5VG.
The problems from last year's field day (i.e.. power
generation, and interference) were essentially
solved this year. We had four brand new band
captains on phone: WB4OUM on 80M, KC4BJE
& KC4YXB on 10M, KQ4KK on 15M, and
KE4TKU on 6 meters. Congrats to them, and all
returning band captains and all participants! Over
\$400 of door prizes were given away and the food
was great. Start planning for 1998. 73, de WWI
Field Day Committee

JOTA - The Woodbridge Wireless is sponsoring
it's sixth JOTA, Jamboree On The Air, October
18th. Set-up will begin at 7:30 AM at a farm right
off Fleetwood Drive in Nokesville. The bus will
be there. We need people to set-up, tear-down,
instruct, and help scout operators. We need a TV,
VCR, and a canopy. Scouts are camping out the
entire weekend so we will have a captive audience

from 9AM to 3 PM. What's JOTA, you may ask ?
It's an annual event during which Hams around
the country and the world open their station to local
Scouts, and let them talk to other scouts and hams.
It really is the most effective way to get young
people interested in amateur radio. Scouts are
primed for getting involved in ham radio. We have
directly or indirectly got at least four new hams
(both scouts and parents) each year we sponsor
JOTA. **DO YOU ENJOY AMATEUR RADIO?
WANT TO KEEP IT GOING?** Well, this is
something positive you can do to help ham radio
and kids! Please volunteer to help in any way with
this very worthy event. We plan to tear down about
3:30 PM. Call Denis, W4DC 680-4998, for further
info and to sign up.

Welcome Carl Johnson, KB2ECN recently
joined the Woodbridge Wireless. What's unique
about Carl is that he has been assisting WWI at the
crew races for over a year. He did not miss a crew
race in 1997, and has become a valuable member
of the team.

WWI SPONSORED OPERATING EVENTS

- Besides the numerous public service events,
Woodbridge Wireless sponsors seven operating
events a year. These events are listed in
chronological order:

1. June VHF mountain top Contest (W4IY) - 2nd
weekend in June
2. FIELD DAY (W4IY) - Last full weekend in
June
3. VHF QSO mountain top Party (W4IY) - 2nd
weekend in September
4. Scout Jamboree on the air JOTA - Mid October
5. CQWW DX Phone Contest (W4IY) - last
weekend in October
6. ARRL Sweepstakes CW - 1st weekend in
November
7. ARRL Sweepstakes Phone - 3rd weekend in
November

All of these events give you an opportunity to
develop new ham radio skills and have fun.
Certificates, patches, and plaques are awarded by
the club for many of these events. Check the club
calendar for exact dates.

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OF MARYLAND

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301-258-7373

It's Hamfest Time Again!
Will you buy used gear from some
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and find
It Doesn't Work?

We've been here for 20 years!

G AND G ELECTRONICS offers a 14 day

GUARANTEE

on all used gear sold at a hamfest or at our store.
(as-is gear excepted)

If you find our gear does not meet specifications, bring it back,
in the same condition as purchased, and get it repaired or a
FULL REFUND!

WE BUY

Used Electronic Equipment of All Kinds.

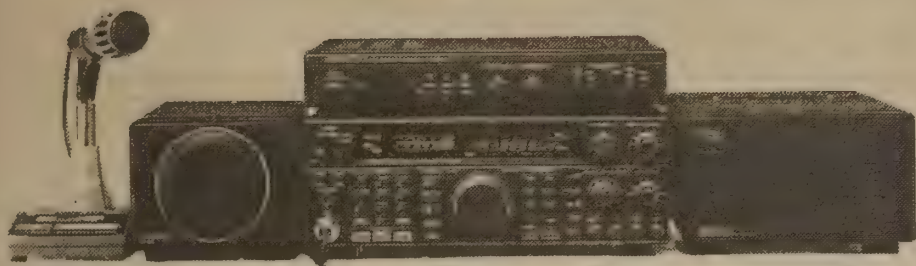
Transmitters, Receivers, Transceivers, Accessories and Junque Boxes.
Test Equipment, Too!

MONDAY, TUESDAY & WEDNESDAY
10:00 AM TO 5:00 PM

AND BY APPOINTMENT

VISA and MasterCard Accepted





SHACK SALES

Non-commercial advertising of Amateur associated equipment is available to subscribers of *Auto-Call* at the rate of **5 cents per word** with a **\$2.00 minimum**. Commercial vendors and non-subscriber rate is 17 cents per word with a **\$5.50 (1 inch) minimum**. Special headings or special spacing (e.g. one item per line) may be used but such ads will be charged at the column inch rate.

Estate sales for Widows assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads will be accepted over

the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be run. Since no effort is made to investigate advertisers, no warranty can be implied. Copy **MUST** be received by the 1st day of the month prior to the month of publication. Send all commercial and non-commercial advertising and Shack Sales to:

John Queen, Auto-Call Editor
755 Woodland Way, Owings, MD 20736
(301) 855-0198

FOR SALE: Hy-Gain beam antenna TH6DXX Tri-Band, still in box, never assembled, \$300.00. Amplifier Heathkit SB-200, 450.00. Collins KWM-2 xcvr (needs tweaking), 350.00. Kenwood TR-2500 handheld xcvr with ST-2 Power supply (permits full operation while charging), MS-1 mobile power supply (permits full operation while charging), three PB-25 Battery Packs, External speaker-mike, one Rubber duck and one Telescoping antenna, leather carrying case; all for \$195.00. (301) 498-0027. [11/97]

FOR SALE: Pyramid Phase Three model PS-25 25 amp regulated power supply \$70. QST magazines 1979 to 96, FREE. Don't want to throw away. Will even deliver them locally. Call between 9 and 11 AM. Greg, KA3DBG, Rockville, MD. (301) 946-6460. [11/97]

FOR SALE: Yaesu Twins: FL101- FR101+ Speaker and Cables. Excellent condition. FL101 modes are SB, CW, AM, FSK- -bands are 160, 80, 40, 20, 15, and 10. FR101 modes are SB, AM(N, W), FM; BANDS: 160, 80, 40, 20, 15, 10, 6, 2 and 7 extra HF bands. Will not sell individual units. price \$400.00. (703) 273-1546—K4JHU [11/97]

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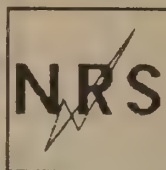
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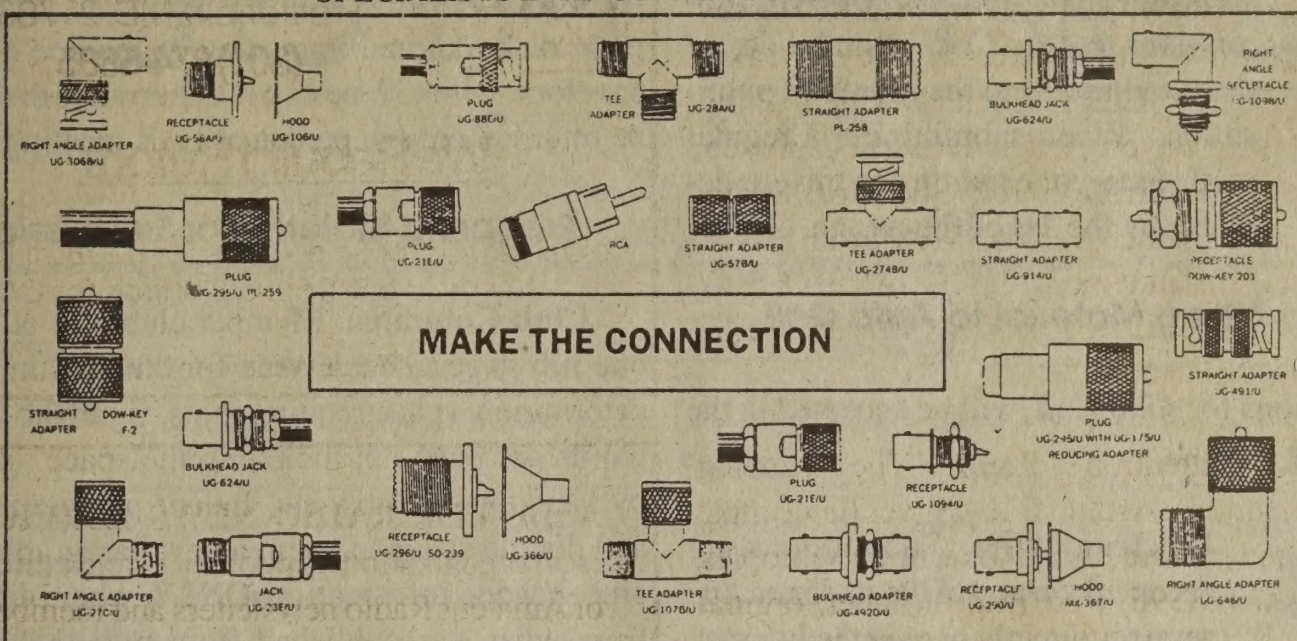
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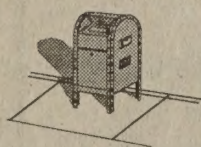
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Club Columns: Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information **ONLY** when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

Hamfests/Events: Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

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2	3 DOSARC	4 Antietam PGWA	5 BARC Montgomery	6 Anne Arundel	7 Mobileers Shenandoah	8 North Point
9 Metro Comm	10 Carroll Co. Potomac	11 Leisure Frederick Woodbridge	12 FAR - VA Exp Post	13 AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC Fauquier	14 VOA Vienna So. Maryland Alexandria	15 Capital City QCWA 91
16	17 OVHA Sterling Park	18 Antietam Arlington	19 BARC QCWA 137 Montgomery Goddard	20 Anne Arundel	21 Shenandoah	22
23/30 Adventist (30)	24 Green Mtn. T-MARC	25 Columbia	26 Exp Post Moose Carroll Co.	27 MADRAS St. Mary's	28 Central MD Vienna	29



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